



CLOSURE REPORT

Property:

Lost Tank 18 Tankless CPF

**Unit N, S18, T22S, R32E
32.387589° N, 103.717354° W
Lea County, New Mexico
Facility ID: fAPP2226965761
NMOCD Incident ID: nAPP2427026341**

March 10, 2025
Ensolum Project No. 03B1417227

Prepared for:

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

Attn: Wade Dittrich

Prepared by:

Kelly Lowery, GIT
Project Geologist

Beaux Jennings
Associate Principal

TABLE OF CONTENTS

1.0	INTRODUCTION.....	3
1.1	Site Description & Background	3
1.2	Project Objective.....	3
2.0	CLOSURE CRITERIA.....	3
3.0	SOIL REMEDIATION ACTIVITIES.....	5
4.0	SOIL SAMPLING PROGRAM	7
5.0	SOIL LABORATORY ANALYTICAL METHODS	7
6.0	DATA EVALUATION	7
7.0	RECLAMATION AND RE-VEGETATION	8
8.0	FINDINGS AND RECOMMENDATION.....	8
9.0	STANDARDS OF CARE, LIMITATIONS, AND RELIANCE.....	9
9.1	Standard of Care	9
9.2	Limitations	9
9.3	Reliance.....	10

LIST OF APPENDICES

Appendix A:	Figures
Appendix B:	Supporting Documentation
Appendix C:	Photographic Documentation
Appendix D:	Tables
Appendix E:	Laboratory Analytical Reports & Chain-of-Custody Documentation

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Ensolum Project No. 03B1417227

1.0 INTRODUCTION**1.1 Site Description & Background**

Operator:	OXY USA, Inc. (Oxy)
Site Name:	Lost Tank 18 Tankless CPF
Location:	Unit N, Section 18, Township 22 South, Range 32 East Facility ID: fAPP2226965761 32.387589° N, 103.717354° W Lea County, New Mexico
Property:	Federal land managed by the Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On September 13, 2024, Oxy had a release of produced water at the Site due to equipment failure of a ball valve. Approximately 50 barrels (bbls) of produced water was released onto the ground surface, with 40 bbls of produced water recovered. Oxy verbally reported the release to the New Mexico EMNRD OCD via email and through the online portal notification of release (NOR) form on September 26, 2024, and was subsequently assigned Incident Number nAPP2427026341.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Oxy, the general Site characteristics, and



information 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. A figure and supporting documentation associated with the following bullets are provided in **Appendix A (Figure 4)** and **Appendix B**.

- No exploratory water wells were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database. However, one depth to water soil boring (SB-09) was advanced by Trinity Oilfield Services (Trinity) on November 15, 2022 to a total depth of 110 feet below ground surface (bgs) approximately 0.42-miles southeast of the Site. After a period of 72-hours, the soil boring was observed to be dry and was subsequently backfilled. The soil boring is depicted on **Figure 4 (Appendix A)** with the soil boring log included in **Appendix B**.
- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database, no private, domestic freshwater wells are used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database, no freshwater wells have been identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to New Mexico Statute Annotated (NMSA) 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps, and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (kmz) provided by the BLM, the Site is located within a stable area, also referred to as low karst potential.
- The Site is not located within a 100-year floodplain.

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

CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE (NON-VEGETATIVE ZONE)			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
> 100 feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE (VEGETATIVE ZONE)			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

3.0 SOIL REMEDIATION ACTIVITIES

On September 13, 2024, Oxy had a release of produced water at the Site due to equipment failure of a ball valve. Approximately 50 bbls of produced water was released onto the ground surface, with 40 bbls of produced water recovered.

On December 13, 2024, prior to remediation activities, a soil sampling variance of 400 square feet for excavation floor samples was requested by Ensolum on behalf of Oxy. The EMNRD OCD subsequently approved the variance on December 16, 2024.

From December 17, 2024 through February 28, 2025, remediation activities were conducted at the Site.

On December 17, 2024, subsequent to excavation activities, Ensolum arrived on-Site to collect 50 composite soil samples from the excavation floor (FS05 through FS08, FS13, and FS23 through FS67). The excavation floor samples were collected at depths ranging from 1 to 1.5 feet bgs. The remaining excavation floor and sidewall samples would be collected at a later date once additional excavation activities were completed via hand shoveling and hydrovac equipment due to the proximity of production equipment and subsurface utilities.

On January 6, 2025, subsequent to the completion of additional excavation activities, Ensolum arrived on-Site to collect 15 composite soil samples from the excavation floor (FS01 through FS04, FS10, FS11, and FS14 through FS22,) and six excavation sidewalls (SW01 through SW06). The excavation floor samples were collected at depths ranging from 1 to 2 feet bgs and the excavation sidewalls were collected at a depth of 0-1 feet bgs.

The excavation sidewall soil samples meet the applicable Site Closure Criteria for a release on a currently active facility utilized for the exploration, development, production, and/or storage for oil and gas operations per 19.15.29.12 NMAC (Remediation Requirements). However, they do not meet the applicable Site Closure Criteria for a release not on a currently active facility utilized for the exploration, development, production, and/or storage for oil and gas operations per 19.15.29.13 NMAC (Reclamation Requirements).

Due to the Reclamation Requirements not being met and the proximity of production equipment, concrete barriers, light poles, and high voltage transformers limiting the further expansion of the excavation sidewalls, it was determined that delineation soil samples would be collected.

On January 21, 2025, Ensolum arrived on-Site to collect the remaining nine excavation floor samples (FS12, and FS68 through FS75). Additionally, 38 grab delineation soil samples were collected from 19 locations (DS02 through DS12 and DS14 through DS21) immediately surrounding, or as close as practically possible, to the current excavation extent. The delineation soil samples were collected at 0.5 feet bgs and 1-foot bgs. Based on the laboratory analytical results, resampling was required.

On February 4, 2025, Ensolum arrived on-Site to collect four grab delineation soil samples from two locations (DS01 and DS13) immediately surrounding, or as close as practically possible, to the current excavation extent. The delineation soil samples were collected at 0.5 feet bgs and 1-foot bgs. Based on the laboratory analytical results, resampling was required.

On February 28, 2025, Ensolum arrived on-Site to collect five grab delineation soil samples from five locations (DS02, DS11, DS15, DS20, and DS21) immediately surrounding, or as close as practically possible, to the current excavation extent. the delineation soil samples were collected at 0.5 feet bgs. Based on laboratory analytical results, no further excavation and/or remediation activities were needed at the Site.

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

The final excavation area measured approximately 6 feet long at its minimum extent to 263 feet long at its maximum extent and 6 feet wide at its minimum extent to 158 feet wide at its maximum extent, with a depth ranging from 1 to 2 feet bgs.

The excavation measured approximately 23,204 square feet in aerial extent. Approximately 900 cubic yards (cy) of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Facility located in Hobbs, New Mexico. Backfill of excavation was completed utilizing material purchased locally from the Mills Ranch Pit and recontoured to match pre-existing conditions.

The delineation soil sampling area measured approximately 301 feet long and 274 feet wide at its maximum extents with a total depth of 1-foot bgs and approximately 31,536 square feet in aerial extent. Approximately 1,168 cy of soil will be removed during reclamation activities once the facility has been decommissioned in the future per the Reclamation Requirements.

Figure 3 is a Site Map that identifies approximate soil sample locations, depicts the approximate dimensions of the impacted soil and excavation extent with respect to the release and depicts the approximate dimensions of the delineation soil sampling extent for reclamation purposes (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from December 17, 2024, through February 28, 2025, included the collection of a total of 75 composite soil samples from the excavation floor (FS01 through FS75), six composite soil samples from the excavation sidewalls (SW01 through SW06), and 47 grab delineation soil samples from 21 locations (DS01 through DS21) immediately surrounding, or as close as practically possible, to the current excavation extent for laboratory analysis. Additionally, one composite soil sample was collected from the backfill material at the Site prior to use (Mills Ranch Pit).

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

Laboratory analytical results are summarized in **Table 1**, **Table 2**, **Table 3**, and **Table 4** in **Appendix D**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix E**.

6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH-GRO/DRO/MRO, and chloride concentrations or laboratory sample detection limits (SDLs) associated with the soils remaining in place to the applicable NMOCD Closure Criteria. The final composite soil samples collected from the Non-Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (Non-Vegetative Zone), while the final composite soil samples collected from the Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (Vegetative Zone).

- Laboratory analytical results indicate benzene concentrations for excavation floor soils, excavation sidewall soils, and delineation soils remaining in place at the Site and the backfill material are below the laboratory SDLs or the applicable NMOCD Closure

Criteria of 10 milligrams per kilogram (mg/kg) for Remediation and Reclamation Requirements.

- Laboratory analytical results indicated that total BTEX concentrations for excavation floor soils, excavation sidewall soils, and delineation soils remaining in place at the Site and the backfill material are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 50 mg/kg for Remediation and Reclamation Requirements.
- Laboratory analytical results indicate that the combined TPH-GRO/DRO concentrations for excavation floor and excavation sidewall soils remaining in place in the Non-Vegetative Zone are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 1,000 mg/kg for depth to groundwater >100 feet for Remediation Requirements.
- Laboratory analytical results indicate that the combined TPH-GRO/DRO/MRO concentrations for excavation floor and excavation sidewall soils remaining in place in the Non-Vegetative Zone are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 2,500 mg/kg for depth to groundwater >100 feet for Remediation Requirements.
- Laboratory analytical results indicate chloride concentrations for excavation floor and excavation sidewall soils remaining in place in the Non-Vegetative Zone are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 20,000 mg/kg for depth to groundwater >100 feet for Remediation Requirements.
- Laboratory analytical results indicated combined TPH-GRO/DRO/MRO concentrations for delineation soils remaining in place in the Vegetative Zone and the backfill material are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet for Reclamation Requirements.
- Laboratory analytical results indicated chloride concentrations for delineation soils remaining in place in the Vegetative Zone and the backfill material are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 600 mg/kg for depth to groundwater ≤50 feet for Reclamation Requirements.
- Laboratory analytical results are summarized in **Table 1, Table 2, Table 3, and Table 4 in Appendix D.**

7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. A composite soil sample was collected from the backfill material (Mills Ranch Pit) prior to its use at the Site. The excavated area was backfilled with clean fill material and then contoured to the original surrounding grade. Since the release area was on an active facility pad in an area reasonably needed for production operations or for subsequent drilling operations, no reclamation or re-vegetation was required at this time per 19.15.29.13 NMAC.

8.0 FINDINGS AND RECOMMENDATION

- On September 13, 2024, Oxy had a release of produced water at the Site due to equipment failure of a ball valve. Approximately 50 bbls of produced water was released onto the ground surface, with 40 bbls of produced water recovered.

- Ensolum's soil sampling program included the collection of a total of 75 composite soil samples from the excavation floor (FS01 through FS75), six composite soil samples from the excavation sidewalls (SW01 through SW06), and 47 grab delineation soil samples from 21 locations (DS01 through DS21) immediately surrounding, or as close as practically possible, to the current excavation extent for laboratory analysis. Additionally, one composite soil sample was collected from the backfill material at the Site prior to use (Mills Ranch Pit).
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soil to be in compliance with applicable NMOCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 Releases as guidance.
- The final excavation area measured approximately 6 feet long at its minimum extent to 263 feet long at its maximum extent and 6 feet wide at its minimum extent to 158 feet wide at its maximum extent, with a depth ranging from 1 to 2 feet bgs.
- The excavation measured approximately 23,204 square feet in aerial extent. Approximately 900 cy of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Facility located in Hobbs, New Mexico. Backfill of excavation was completed utilizing material purchased locally from the Mills Ranch Pit and recontoured to match pre-existing conditions.
- The delineation soil sampling area measured approximately 301 feet long and 274 feet wide at its maximum extents with a total depth of 1-foot bgs and approximately 31,536 square feet in aerial extent. Approximately 1,168 cy of soil will be removed during reclamation activities once the facility has been decommissioned in the future per the Reclamation Requirements.
- Based on laboratory analytical results, the final composite soil samples collected from the excavation floor, sidewalls, delineation soil samples, and the backfill material did not exhibit benzene, total BTEX, TPH GRO/DRO, TPH GRO/DRO/MRO, or chloride concentrations above the applicable NMOCD Closure Criteria.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work, and it should be noted that this information is subject to change over time. Certain indicators

of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions in other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

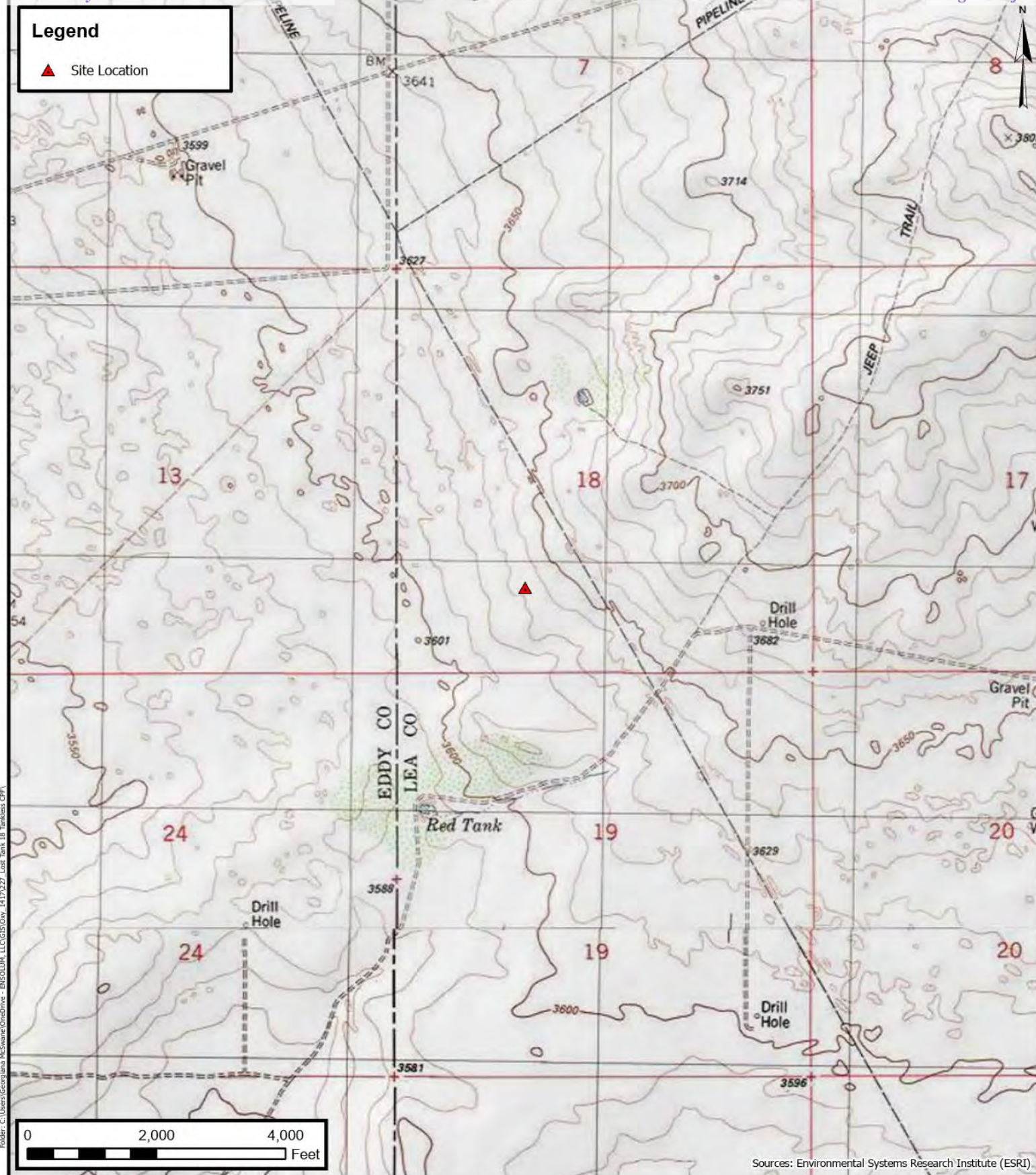
9.3 Reliance

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



APPENDIX A

Figures



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

Topographic Map

Oxy USA Inc.
Lost Tank 18 Tankless CPF
32.387589° N, 103.717354° W
Lea County, New Mexico

PROJECT NUMBER: 03B1417227

FIGURE

1



Site Vicinity Map

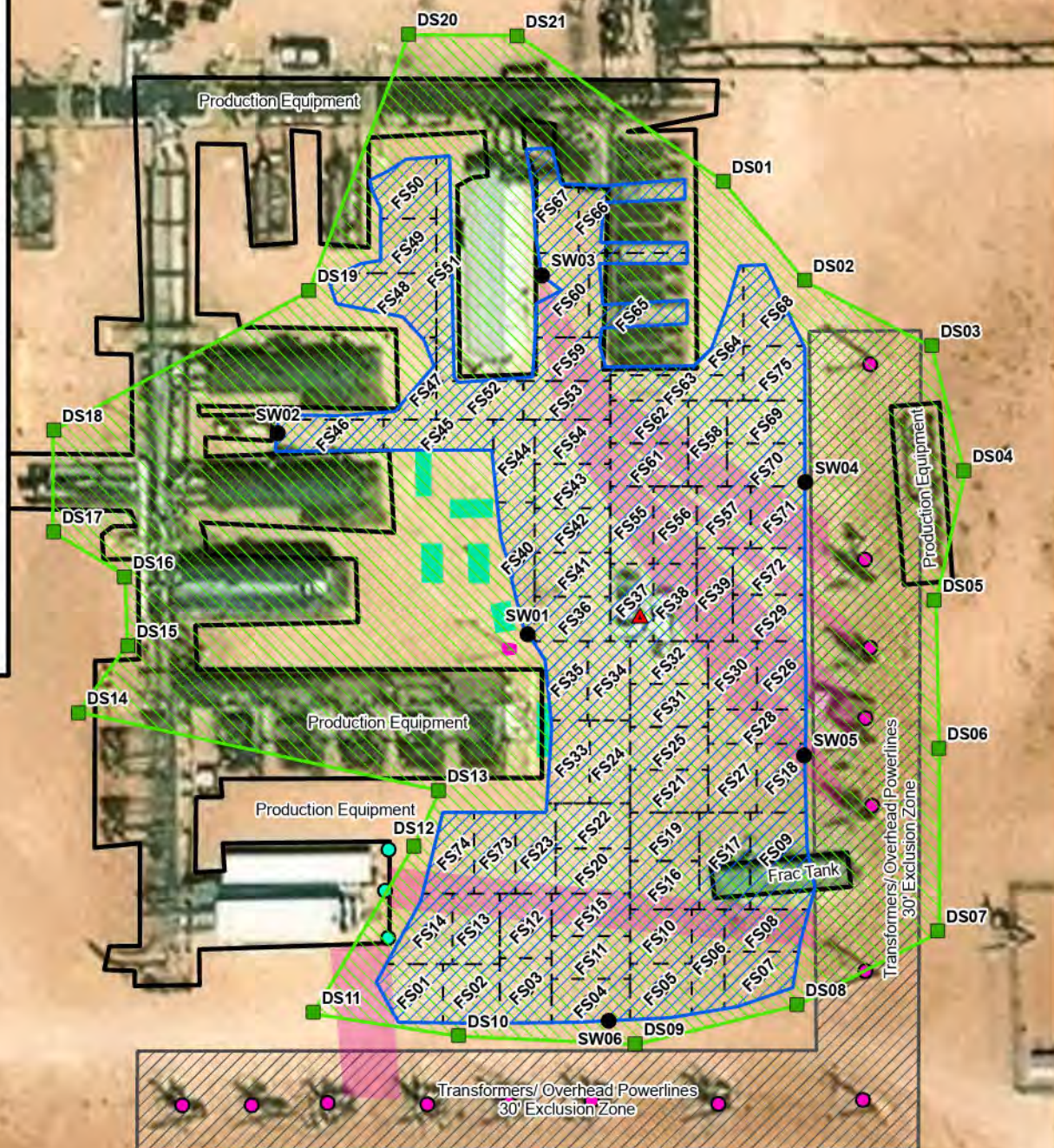
Oxy USA Inc.
Lost Tank 18 Tankless CPF
32.387589° N, 103.717354° W
Lea County, New Mexico

PROJECT NUMBER: 03B1417227

FIGURE
2

Legend

- ▲ Site Location
- Confirmation
- Soil Sample Location
- Delineation Soil Sample Location
- ▨ Excavation Extent
- - - Composite Soil Sample Grid Boundary
- ▨ Delineation Step-Out Extent
- Concrete Bollards
- Power Pole/Transformer
- ▨ Subsurface Electrical Lines
- Concrete Blockade
- Light Pole



0 40 80
Feet

Sources: Environmental Systems Research Institute (ESRI)



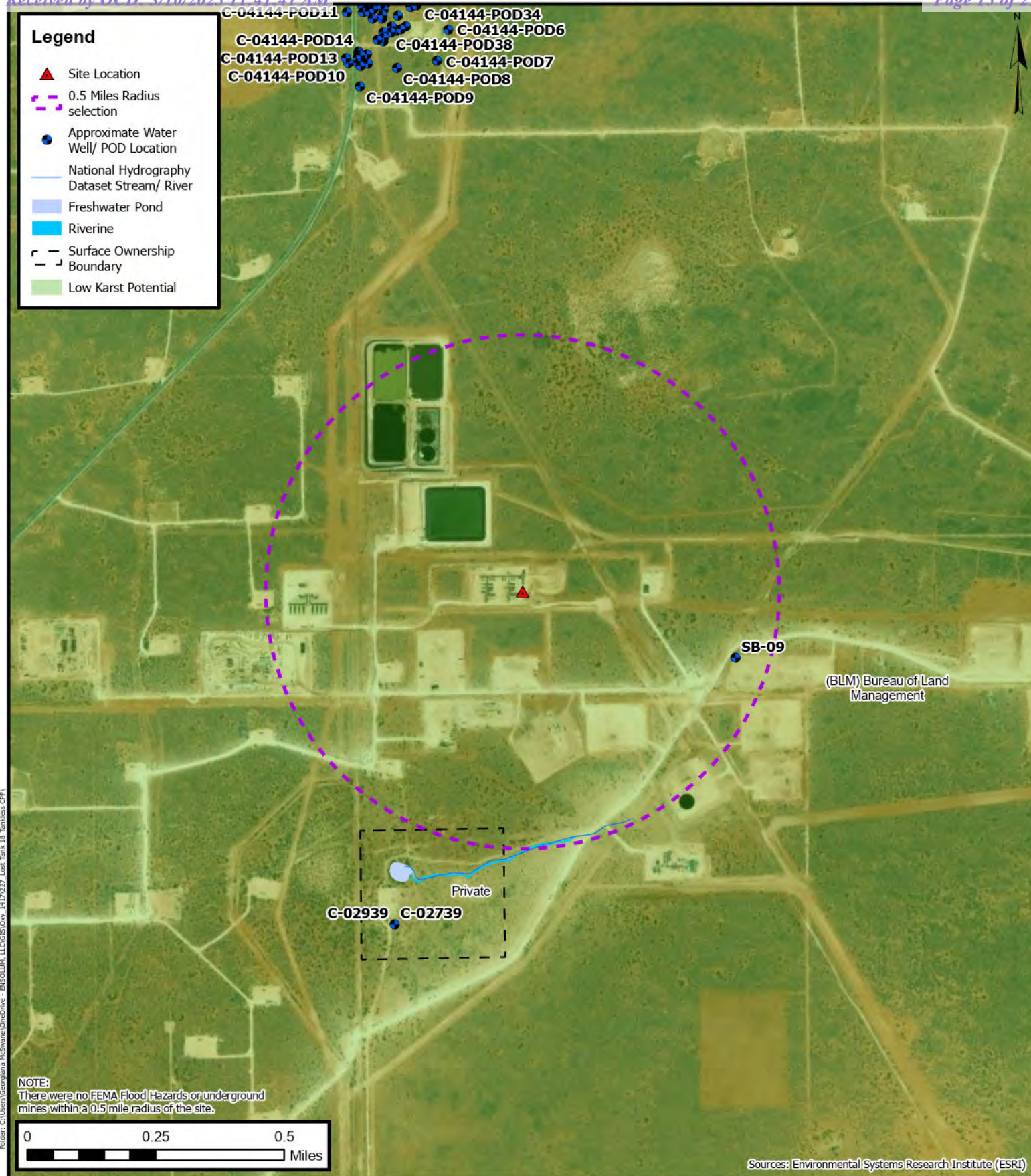
Site Map

Oxy USA Inc.
Lost Tank 18 Tankless CPF
32.387589° N, 103.717354° W
Lea County, New Mexico

PROJECT NUMBER: 03B1417227

FIGURE

3



Closure Criteria Map

Oxy USA Inc.
Lost Tank 18 Tankless CPF
32.387589° N, 103.717354° W
Lea County, New Mexico

PROJECT NUMBER: 03B1417227

FIGURE

4



APPENDIX B

Supporting Documentation

Kelly Lowery

From: Dittrich, John W <Wade_Dittrich@oxy.com>
Sent: Thursday, September 26, 2024 8:54 AM
To: OCD.Enviro@emnrd.nm.gov; BLM_NM_CFO_Spill@blm.gov
Cc: Kelly Lowery; Beaux Jennings
Subject: Initial Notification-Lost Tank 18 Tankless CPF

[**EXTERNAL EMAIL**]

All,

This is to inform you that **Oxy Permian** had a **Reportable** release in **Lea County** at the **Lost Tank 18 Tankless CPF** on **9/13/2024**.

- **Release Location:** Legal -18-22S-32E-
- **Release Volume:** 0 bbls of Oil and 50 bbls of Produced Water.
- **Recovered:** 0 bbls of Oil recovered and 40 bbls of PW recovered
- **Cause of Release:** 1" nipple on ball valve broke off
- **Approximate Area impacted by release:** TBD-**Leak is on location** (measurements are subject to change with GPS tracking)
- **GPS Coordinates of Leak and Driving Directions:** **32.387589, -103.717354**-Int. Of C29 and Mills Ranch Road, go 2.5 miles on MRR, turn left, go .6 to int., turn right, go .1, turn right, go .2 to location.
- Please let me know if you have any questions.

Wade Dittrich

Environmental Advisor

New Mexico

575-390-2828

wade_dittrich@oxy.com

Kelly Lowery

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, December 11, 2024 4:54 PM
To: Kelly Lowery
Cc: Bratcher, Michael, EMNRD; Dittrich, John W; Tyson_Pierce@oxy.com; Beaux Jennings
Subject: RE: [EXTERNAL] Extension Request - Lost Tank 18 Tankless CPF (Incident ID: nAPP2427026341)

[**EXTERNAL EMAIL**]

Good afternoon Kelly,

The extension request for NAPP2427026341 LOST TANK 18 TANKLESS CPF is approved. The new due date to submit your remediation plan or closure report to the OCD is March 11, 2025. 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.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Kelly Lowery <klowery@ensolum.com>
Sent: Wednesday, December 11, 2024 1:26 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] Extension Request - Lost Tank 18 Tankless CPF (Incident ID: nAPP2427026341)

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 request a 90-day extension for the Lost Tank 18 Tankless CPF (Incident ID: nAPP2427026341). Excavation and remediation activities are currently on-going at the Site but have been delayed due to scheduling challenges with personnel and contractors. We ask that you please approve this extension request for future sampling and subsequent reporting.

Please let us know if you have any questions.

Thank you,



Kelly Lowery, GIT
Project Geologist
214-733-3165
Ensolum, LLC
in f 

Kelly Lowery

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, December 16, 2024 10:56 AM
To: Kelly Lowery
Cc: Bratcher, Michael, EMNRD; Dittrich, John W; Tyson_Pierce@oxy.com; Beaux Jennings
Subject: RE: [EXTERNAL] Sampling Variance Request - Lost Tank 18 Tankless CPF (Incident ID: nAPP2427026341)

[**EXTERNAL EMAIL**]

Hi Kelly,

Your request to collect five point confirmation samples from the base of the excavation at a sampling frequency of every 400 square feet is approved. Sidewall samples should be collected at a frequency of every 200 square feet. 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.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Kelly Lowery <klowery@ensolum.com>
Sent: Friday, December 13, 2024 8:55 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] Sampling Variance Request - Lost Tank 18 Tankless CPF (Incident ID: nAPP2427026341)

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

Good morning,

On behalf of Oxy USA, Inc. (Oxy), Ensolum, LLC (Ensolum) requests a variance from the 200 square feet sampling requirement cited in 19.15.29.12 (D)(1)(c) for the Lost Tank 18 Tankless CPF (Incident ID: nAPP2427026341). To provide some background, the release occurred on 9/13/2024 with 50 barrels of produced water released and 40 barrels of produced water recovered via vac truck efforts. The spill remained wholly on-pad and did not go off-pad.

Ensolum requests an alternate of 400 square feet, five-point composite samples collected from the Site. The current release extent is approximately 22,509 square feet, which would roughly equal 113 composite samples collected per the 200 square feet sampling requirement. If approved, the 400 square foot variance would decrease the number of

samples collected to approximately 56 samples. Attached are the various maps depicting the site characterizations for the surrounding area. Additionally, a soil boring was completed 0.42-miles southeast of the site by Trinity Oilfield Services on 11/15/2022 to a total depth of 110' with no groundwater encountered. The soil boring log and map are attached here for your reference.

With the provided information, Ensolum kindly asks that the OCD will acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thank you,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC

in f 



SOIL BORE LOG SB-09

PROJECT NAME DR. PI FEDERAL UNIT 17 8 DA #31H CLIENT OXY USA, Inc.		DRILLING DATE 11/15/2022 TOTAL DEPTH 110'	COORDINATES 32.38531930, -103.71040340 COORD SYS NAD 83 ULSTR O-18-22S-32E SURFACE ELEVATION 3670'
COMMENTS Spud on the Northwest corner of the DR PI FEDERAL UNIT 18 7 IPP Well Pad. Bore Hole was observed to be dry after 72 hrs.		LOGGED BY CJ CHECKED BY DD	
Depth (ft)	Moisture	Material Description	Elevation (ft)
5	D	Reddish Yellow Sandy Clay Loam. Dry	
		Yellowish Red Sandy Clay Loam. Dry	3665
10			3660
15		Red Sandy Clay Loam. Dry	3655
20			3650
25			3645
30		Red Sandy Clay. Dry	3640
35			3635
		Reddish Brown Sandy Clay Loam. Dry	
40		Red Sandy Clay. Dry	3630
45		Red Sandy Clay Loam. Dry	3625
50			3620
55			3615
60			3610
		Reddish Brown Sandy Clay. Dry	
65			3605
70			3600
75			3595
80			3590
		Red Clay. Dry	
85			3585
90			3580
95			3575
100			3570
105			3565
110			3560
		Termination Depth at:110 ft.	
115			3555

Disclaimer This bore log is intended to evidence a depth to groundwater greater than 110'.

Page 1 of 1



APPENDIX C

Photographic Documentation

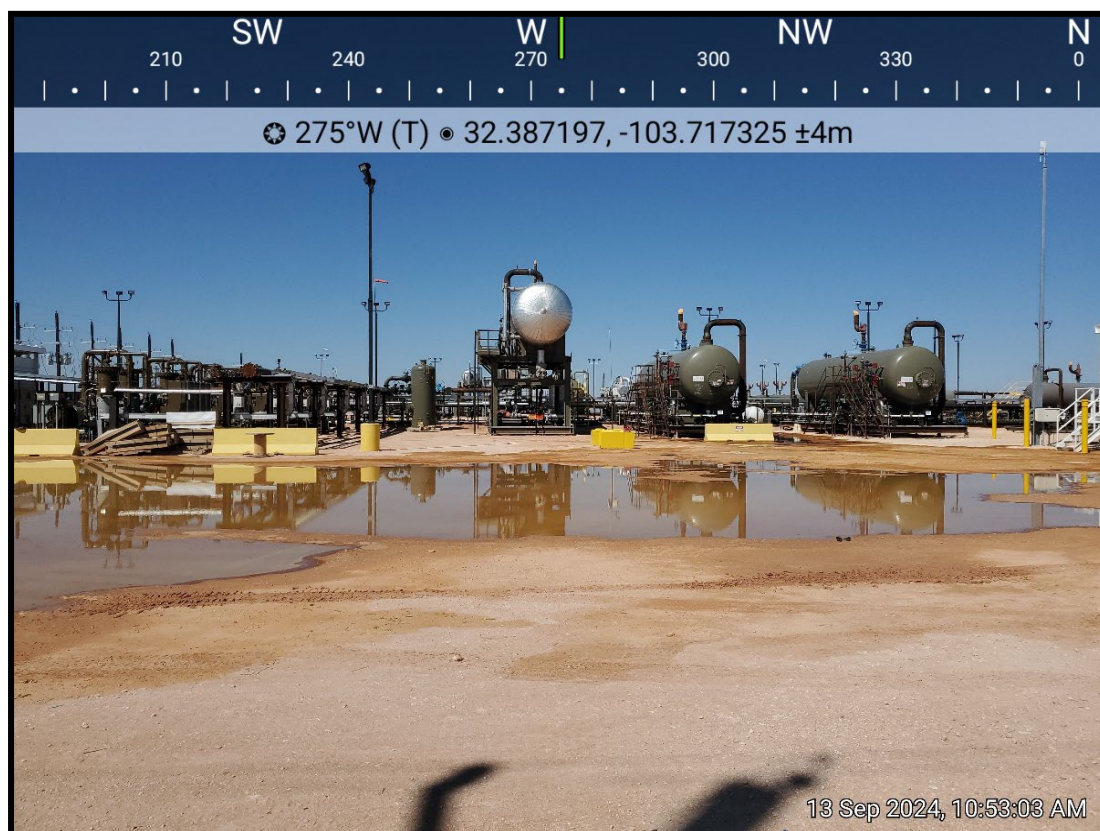
Project: Lost Tank 18 Tankless CPF

Entity: Oxy USA, Inc

Incident ID: nAPP2427026341



View of release area prior to remediation activities, facing northwest (September 13, 2024).



View of release area prior to remediation activities, facing west (September 13, 2024).

Project: Lost Tank 18 Tankless CPF

Entity: Oxy USA, Inc

Incident ID: nAPP2427026341



View of excavation extent during remediation activities, facing west (December 17, 2024).



View of excavation extent during remediation activities, facing southwest (December 17, 2024).

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc
Incident ID: nAPP2427026341



View of excavation extent during remediation activities, facing north (January 06, 2025).



View of excavation extent during remediation activities, facing east (January 06, 2025).

Project: Lost Tank 18 Tankless CPF

Entity: Oxy USA, Inc

Incident ID: nAPP2427026341



View of delineation soil sample location DS09, during remediation activities, facing southwest (January 21, 2025).



View of delineation soil sample location DS19, during remediation activities, facing northeast (January 21, 2025).

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc
Incident ID: nAPP2427026341



View of delineation soil sample location DS21, during remediation activities, facing southwest (January 21, 2025).



View of delineation soil sample location DS07, during remediation activities, facing southwest (January 21, 2025).

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc
Incident ID: nAPP2427026341



View of delineation soil sample location DS01, during remediation activities, facing northwest (February 04, 2025).



View of delineation soil sample location DS13, during remediation activities, facing northwest (February 04, 2025).

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc
Incident ID: nAPP2427026341



View of excavation extent post backfill activities, facing west (February 14, 2025).



View of excavation extent post backfill activities, facing north (February 14, 2025).

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc
Incident ID: nAPP2427026341



View of excavation extent post backfill activities, facing west (February 14, 2025).



View of excavation extent post backfill activities, facing northwest (February 14, 2025).

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc
Incident ID: nAPP2427026341



View of excavation extent post backfill activities, facing southeast (February 14, 2025).



View of excavation extent post backfill activities, facing north (February 14, 2025).

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc
Incident ID: nAPP2427026341



View of delineation soil sample location DS02, during remediation activities, facing southeast (February 28, 2025).



View of delineation soil sample location DS21, during remediation activities, facing southwest (February 28, 2025).



APPENDIX D

Table

TABLE 1
SAMPLE ANALYTICAL RESULTS (NON-VEGETATIVE ZONE)
Lost Tank 18 Tankless CPF
Oxy USA, Inc.
Lea County, New Mexico
Ensolum Project No. 03B1417227

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												
FS01	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,840
FS02	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,920
FS03	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,710
FS04	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	2,190
FS05	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	10,000
FS06	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,600
FS07	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,800
FS08	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	12,400
FS09	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	7,460
FS10	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	45.1		<10.0	45.1	6,960
FS11	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	70.0		12.1	82.1	7,440
FS12	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	576
FS13	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	832
FS14	01/06/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	608
FS15	01/06/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	576
FS16	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	6,320
FS17	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,920
FS18	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	15,000
FS19	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	8,480
FS20	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	5,040
FS21	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	11.6		<10.0	11.6	7,040
FS22	01/06/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	4,720
FS23	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,520
FS24	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	5,600
FS25	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	7,280
FS26	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	11,600
FS27	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	11,200
FS28	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,000
FS29	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	6,400
FS30	12/17/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	160
FS31	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	13,500
FS32	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	5,680
FS33	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	166		86.4	252	6,560
FS34	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	6,880

TABLE 1
SAMPLE ANALYTICAL RESULTS (NON-VEGETATIVE ZONE)
Lost Tank 18 Tankless CPF
Oxy USA, Inc.
Lea County, New Mexico
Ensolum Project No. 03B1417227

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
FS35	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	7,760
FS36	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	6,240
FS37	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	8,080
FS38	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	40.9		15.9	56.8	8,480
FS39	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	7,200
FS40	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	19.6		<10.0	19.6	4,160
FS41	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	38.6		<10.0	38.6	4,080
FS42	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	369		88.4	457	1,010
FS43	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	60.8		14.1	74.9	336
FS44	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	64.0		14.2	78.2	640
FS45	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,540
FS46	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	56.4		<10.0	56.4	784
FS47	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	208
FS48	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	52.8		<10.0	52.8	2,560
FS49	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	33.2		<10.0	33.2	12,400
FS50	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	7,040
FS51	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	4,400
FS52	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	7,040
FS53	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,680
FS54	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,490
FS55	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,380
FS56	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	8,160
FS57	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	9,360
FS58	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	12,300
FS59	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	13,200
FS60	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	71.6		29.2	101	9,460
FS61	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	30.5		12.9	43.4	11,200
FS62	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	14,100
FS63	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	83.2		32.2	115	11,600
FS64	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	11,200
FS65	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	29.7		<10.0	29.7	8,800
FS66	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	153		50.2	203	7,860
FS67	12/17/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	738		184	922	7,730
FS68	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	14.4		<10.0	14.4	2,880

TABLE 1
SAMPLE ANALYTICAL RESULTS (NON-VEGETATIVE ZONE)
Lost Tank 18 Tankless CPF
Oxy USA, Inc.
Lea County, New Mexico
Ensolum Project No. 03B1417227

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
FS69	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,150
FS70	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,180
FS71	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	608
FS72	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,700
FS73	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	64.0
FS74	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	80.0
FS75	01/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	48.0

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

TABLE 2
SAMPLE ANALYTICAL RESULTS (VEGETATIVE ZONE)
 Lost Tank 18 Tankless CPF
 Oxy USA, Inc.
 Lea County, New Mexico
 Ensolum Project No. 03B1417227

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+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
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 Sidewall Sample Analytical Results												
SW-01	01/06/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6,880
SW-02	01/06/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.4	<10.0	52.4	1,980
SW-03	01/06/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	228	54.1	282	14,800
SW-04	01/06/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8,560
SW-05	01/06/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,080
SW-06	01/06/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	768

Concentrations in **bold** and blue exceeds Reclamation Standards for Pad Decommission

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

TABLE 3
DELINEATION STEP OUT SAMPLE ANALYTICAL RESULTS (VEGETATIVE ZONE)

Lost Tank 18 Tankless CPF
Oxy USA, Inc.
Lea County, New Mexico
Ensolum Project No. 03B1417227

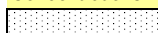
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Confirmation Delineation Step Out Sample Analytical Results												
DS01	2/4/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
DS02	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,100
	2/28/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
	1/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
DS03	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
DS04	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
DS05	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
DS06	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
DS07	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS08	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
DS09	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
DS10	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
DS11	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	944
	2/28/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	1/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
DS12	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
DS13	2/4/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS14	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS15	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.3	<10.0	18.3	1,630
	2/28/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
	1/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0

TABLE 3
DELINEATION STEP OUT SAMPLE ANALYTICAL RESULTS (VEGETATIVE ZONE)

Lost Tank 18 Tankless CPF
Oxy USA, Inc.
Lea County, New Mexico
Ensolum Project No. 03B1417227

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
DS16	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS17	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
DS18	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS19	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	576
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
DS20	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	944
	2/28/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
	1/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
DS21	1/21/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	640
	2/28/2025	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
	1/21/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192

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

 Additional Excavation and/or Re-Sample

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



TABLE 4
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS
 Mills Ranch Pit
 Oxy USA, Inc.
 Lea County, New Mexico
 Ensolum Project No. NA

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Background Soil Sample Analytical Result												
Mills Ranch Pit	09/30/2024	NA	<0.050	0.060	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

bgs: below ground surface

mg/kg: milligrams per kilogram

NA: Not Applicable

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



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

December 27, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LOST TANK 18 TANKLESS CPF

Enclosed are the results of analyses for samples received by the laboratory on 12/19/24 14:15.

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

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 05 1' (H247677-01)

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	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 06 1' (H247677-02)

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	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 07 1' (H247677-03)

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	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 08 1' (H247677-04)

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	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 09 1' (H247677-05)

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	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7460	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 13 1' (H247677-06)

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	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 23 1' (H247677-07)

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	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 24 1' (H247677-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 25 1' (H247677-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7280	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	231	116	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	208	104	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 26 1' (H247677-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11600	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 27 1' (H247677-11)

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	12/20/2024	ND	1.89	94.6	2.00	3.59		
Toluene*	<0.050	0.050	12/20/2024	ND	1.98	99.2	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.93	96.4	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.66	94.3	6.00	4.30		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 28 1' (H247677-12)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 29 1' (H247677-13)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 30 1.5' (H247677-14)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 31 1' (H247677-15)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13500	16.0	12/20/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 32 1' (H247677-16)

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	12/20/2024	ND	2.05	103	2.00	0.366	
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796	
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659	
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715	
Total BTEX	<0.300	0.300	12/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 33 1' (H247677-17)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	166	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	86.4	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 34 1' (H247677-18)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6880	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 35 1' (H247677-19)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7760	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 36 1' (H247677-20)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6240	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 37 1' (H247677-21)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8080	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 38 1' (H247677-22)

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	12/20/2024	ND	2.05	103	2.00	0.366	
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796	
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659	
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715	
Total BTEx	<0.300	0.300	12/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8480	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	40.9	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	15.9	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 39 1' (H247677-23)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 40 1' (H247677-24)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	19.6	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 41 1' (H247677-25)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	38.6	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 48 1' (H247677-26)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	52.8	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 49 1' (H247677-27)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	33.2	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 50 1' (H247677-28)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEx	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 51 1' (H247677-29)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	219	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	199	99.7	200	0.885	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 52 1' (H247677-30)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 53 1' (H247677-31)

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	12/20/2024	ND	2.05	103	2.00	0.366		
Toluene*	<0.050	0.050	12/20/2024	ND	2.05	103	2.00	0.0796		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.96	97.8	2.00	0.659		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.25	104	6.00	0.715		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 54 1' (H247677-32)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 55 1' (H247677-33)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 56 1' (H247677-34)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8160	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 57 1' (H247677-35)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTX	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9360	16.0	12/20/2024	ND	432	108	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	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 58 1' (H247677-36)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12300	16.0	12/20/2024	ND	448	112	400	3.64	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	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 59 1' (H247677-37)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13200	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 60 1' (H247677-38)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9460	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	71.6	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	29.2	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 61 1' (H247677-39)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	30.5	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	12.9	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 62 1' (H247677-40)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14100	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 63 1' (H247677-41)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11600	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	83.2	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	32.2	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 64 1' (H247677-42)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTX	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 65 1' (H247677-43)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	29.7	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 66 1' (H247677-44)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57	GC-NC	
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84	GC-NC	
Total BTX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7860	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	153	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	50.2	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 67 1' (H247677-45)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7730	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	738	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	184	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 42 1' (H247677-46)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	369	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	88.4	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 43 1' (H247677-47)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	60.8	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	14.1	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 44 1' (H247677-48)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	64.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	14.2	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 45 1' (H247677-49)

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	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTEX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1540	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	187	93.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	192	96.2	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 46 1' (H247677-50)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57	GC-NC	
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTX	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	211	105	200	1.10	
DRO >C10-C28*	56.4	10.0	12/20/2024	ND	185	92.5	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2024
 Reported: 12/27/2024
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 12/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 47 1' (H247677-51)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.95	97.5	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2024	ND	1.94	97.2	2.00	4.24		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.95	97.6	2.00	4.57		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.85	97.5	6.00	4.84		
Total BTX	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	211	105	200	1.10	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	185	92.5	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Marfield St. STE 400
City: Midland **State:** TX **Zip:** 79701

Phone #: 214-733-3165 **Email:** klowery@ensolum.com

Project #: 03B141727 **Project Owner:**

Project Name: Lost Tank 18 Tankless CPF

Project Location:

Sampler Name: Kaoru Shimada / Nicolas Christakos

FOR LAB USE ONLY

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

BILL TO

P.O. #:
Company: Oxy USA, Inc.
Attn: Wade Dittich
Address:
City:
State: **Zip:**
Phone #: (575) 390-2828
Email: wade_dittich@oxy.com

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021 B	TPH 8015 M	Chloride 4500	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER : ACID/BASE						ICE / COOL
1	FS05	1	C	X								12/17/24	959	X	X	X
2	FS06	1	C		X							12/17/24	1000	X	X	X
3	FS07	1	C			X						12/17/24	1003	X	X	X
4	FS08	1	C			X						12/17/24	1004	X	X	X
5	FS09	1	C			X						12/17/24	1010	X	X	X
6	FS13	1	C			X						12/17/24	1021	X	X	X
7	FS23	1	C			X						12/17/24	1022	X	X	X
8	FS24	1	C			X						12/17/24	1024	X	X	X
9	FS25	1	C			X						12/17/24	1025	X	X	X
10	FS26	1	C			X						12/17/24	1029	X	X	X

ALL DATA ACQUISITION, INCLUDING BUT NOT LIMITED TO, THE COLLECTION, STORAGE, HANDLING, AND ANALYSIS OF SAMPLES, SHALL BE THE RESPONSIBILITY OF THE CLIENT. THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE SITE AND THE SAFETY OF THE PERSONNEL. THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE SITE AND THE SAFETY OF THE PERSONNEL. THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE SITE AND THE SAFETY OF THE PERSONNEL.

Reinforced By: *[Signature]* **Date:** 12/17/24

Received By: *[Signature]* **Date:** 12/17/24

Time: 1415

Remarks: Paykey/FENONATE:

Verbal Result: ☐ Yes ☐ No **Add Phone #:**

All Results are emailed. Please provide Email address:

Remarks: Paykey/FENONATE:

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other:

Observed Temp. °C: 6.1
Corrected Temp. °C: -0.5

Sample Condition:
☒ Cool ☐ Hot
☒ Intact ☐ Leaking

Checked By: *[Signature]* (Initials)

Turnaround Time: ☐ Rush ☒ Standard ☐ Expedite

Thermometer ID: 4444 **#140**

Correction Factor: -0.6

Thermometer ID: ☐ Yes ☐ No **Corrected Temp. °C:**



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO				ANALYSIS REQUEST				
Company Name: Ensolum, LLC				P.O. #:				
Project Manager: Kelly Lowery				Company: Oxy USA, Inc.				
Address: 601 N. Mainfield St. STE 400				Atn: Wade Ditrich				
City: Midland State: TX Zip: 79701				Address:				
Phone #: 214-733-3165 Email: klowery@ensolum.com				City:				
Project #: 03B141727 Project Owner:				State:				
Project Name: Lost Tank 18 Tankless CPF				Zip:				
Project Location:				Phone #: (575) 390-2828				
Sampler Name: Kaoru Shimada / Nicolas Christakos				Email: wade_ditrich@oxy.com				
FOR LAB USE ONLY								
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	
			OTHER :	ACID/BASE	ICE / COOL	OTHER :	DATE TIME	
H247677	21	FS37	C	X				12/17/24 1056
	22	FS38	C		X			12/17/24 1058
	23	FS39	C		X			12/17/24 1059
	24	FS40	C		X			12/17/24 1101
	25	FS41	C		X			12/17/24 1106
	26	FS48	C		X			12/17/24 1108
	27	FS49	C		X			12/17/24 1110
	28	FS50	C		X			12/17/24 1241
	29	FS51	C		X			12/17/24 1242
	30	FS52	C		X			12/17/24 1243
<small>*PLEASE NOTE: Utility and Cleanup Contract liability and client'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 causes whatsoever shall be deemed waived unless made in writing and received by Client within 30 days after completion of the requested service. This waiver shall survive the termination or non-performance of services hereunder by Client, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Analysis or assessment being used as evidence in litigation shall be subject to the performance of services pursuant to Client's request.</small>								
Relinquished By: [Signature]				Date: 12-19-24	Received By: [Signature]			
Time: 1415								
Date: 12-19-24								
Time:								
Relinquished By: [Signature]				Received By: [Signature]				
Date:								
Time:								
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C <u>-0.5</u> Corrected Temp. °C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>[Signature]</u>	Thermometer ID Correction Factor <u>-0.6°C</u>	
				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:			
				REMARKS: PayKey/AFFENonAFFE:				
				Standard <input checked="" type="checkbox"/> Observed Temp. °C				
				Barium (any) Sample Condition				
				Thermometer ID <u>443-H40</u>				
				Correction Factor <u>-0.6°C</u>				
				Yes <input type="checkbox"/> No <input type="checkbox"/>				
				Corrected Temp. °C				

FORM-006 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Mainfield St. STE 400

City: Midland **State:** TX **Zip:** 79701

Phone #: 214-733-3165 **Email:** klowery@ensolum.com

Project #: 03B141727 **Project Owner:**

Project Name: Lost Tank 18 Tankless CPF

Project Location:

Sampler Name: Kaoru Shimada / Nicolas Christakos

101 East Marland, Hobbs, NM 88340
(575) 393-2326 FAX (575) 393-2476

BILL TO

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State: **Zip:**

Phone #: (575) 390-2828

Email: wade_dittich@oxy.com

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021 B	TPH 8015 M	Chloride 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER : ACID/BASE					
H247677															
31	FS53	1	C	X											
32	FS54	1	C		X										
33	FS55	1	C			X									
34	FS56	1	C			X									
35	FS57	1	C			X									
36	FS58	1	C			X									
37	FS59	1	C			X									
38	FS60	1	C			X									
39	FS61	1	C			X									
40	FS62	1	C			X									

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other:

Observed Temp. °C
 Corrected Temp. °C

Sample Condition
 Cool ☒ Hot ☐
 Intact ☒ Leaking ☐

CHECKED BY:
 (Initials)

Thermometer ID **Standard** **Barrett (only) Sample Condition**
 Correction Factor **Yes** ☐ **No** ☒

Retinquired By: **Date:** 12-19-24 **Received By:** **Time:** 14:55

Retinquired By: **Date:** **Received By:** **Time:**

Verbal Result: ☐ Yes ☐ No **Add Phone #:**

REMARKS: Paykey/AE/MonAFE:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC										BILL TO										ANALYSIS REQUEST									
Project Manager: Kelly Lowery										P.O. #:																			
Address: 601 N. Marfield St. STE 400										Company: Oxy USA, Inc.																			
City: Midland State: TX Zip: 79701										Attn: Wade Dittrich																			
Phone #: 214-733-3165 Email: klowery@ensolum.com										Address:																			
Project #: 03B141727 Project Owner:										City:																			
Project Name: Lost Tank 18 Tankless CPF										State: Zip:																			
Project Location:										Phone #: (575) 390-2828																			
Sample Name: Kaoru Shimada / Nicolas Christakos										Email: wade_dittrich@oxy.com																			
<small>FOR LAB USE ONLY</small>										PRESERV.										SAMPLING									
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTX 8021 B	TPH 8015 M	Chloride 4500													
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:														ICE / COOL	OTHER :			
H247	FS63	1	C	X								12/17/24	1310	X	X	X													
42	FS64	1	C		X							12/17/24	1319	X	X	X													
43	FS65	1	C		X							12/17/24	1313	X	X	X													
44	FS66	1	C		X							12/17/24	1314	X	X	X													
45	FS67	1	C		X							12/17/24	1321	X	X	X													
46	FS42	1	C		X							12/17/24	1420	X	X	X													
47	FS43	1	C		X							12/17/24	1422	X	X	X													
48	FS44	1	C		X							12/17/24	1423	X	X	X													
49	FS45	1	C		X							12/17/24	1424	X	X	X													
50	FS46	1	C		X							12/17/24	1425	X	X	X													

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Relinquished By: [Signature]		Date: 12-19-24	Time: 1445	Received By: [Signature]	Date: 12-19-24	Time: 1445
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C	Sample Condition Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Broken <input type="checkbox"/>	CHECKED BY: (Initials)		Thermometer Type: Standard <input checked="" type="checkbox"/> Backup (only Sample Conditions)
		-0.5		[Signature]		Temperature ID: 4444 #1440
						Correction Factor: 4444 -0.6°C
						Yes <input type="checkbox"/> No <input type="checkbox"/>
						Corrected Temp. °C

FORM-006 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

January 10, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LOST TANK 18 TANKLESS CPF

Enclosed are the results of analyses for samples received by the laboratory on 01/07/25 14:00.

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

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 01 1' (H250046-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45	
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26	
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67	
Total BTX	<0.300	0.300	01/08/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	01/08/2025	ND	432	108	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	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 02 1' (H250046-02)

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	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTEX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	01/08/2025	ND	432	108	400	3.64	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	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 03 1' (H250046-03)

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	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTEx	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 04 1' (H250046-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2190	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 10 1' (H250046-05)

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	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTEx	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	01/08/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	45.1	10.0	01/09/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 11 1' (H250046-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7440	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	70.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	12.1	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 14 2' (H250046-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 15 2' (H250046-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/08/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 16 1' (H250046-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6320	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 17 1' (H250046-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 113 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 18 1' (H250046-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15000	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 19 1' (H250046-12)

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	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTEX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8480	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 20 1' (H250046-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 21 1' (H250046-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45	
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26	
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67	
Total BTX	<0.300	0.300	01/08/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	11.6	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 22 1' (H250046-15)

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	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTEx	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 01 0-1' (H250046-16)

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	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTEX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6880	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 02 0-1' (H250046-17)

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	01/08/2025	ND	1.96	97.8	2.00	2.45	
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26	
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67	
Total BTEX	<0.300	0.300	01/08/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1980	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	52.4	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 03 0-1' (H250046-18)

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	01/08/2025	ND	1.96	97.8	2.00	2.45	
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26	
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67	
Total BTEX	<0.300	0.300	01/08/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14800	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	228	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	54.1	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 04 0-1' (H250046-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2025	ND	1.96	97.8	2.00	2.45	
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26	
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67	
Total BTX	<0.300	0.300	01/08/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8560	16.0	01/08/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 05 0-1' (H250046-20)

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	01/08/2025	ND	1.96	97.8	2.00	2.45		
Toluene*	<0.050	0.050	01/08/2025	ND	2.03	102	2.00	3.26		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.07	104	2.00	4.48		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.32	105	6.00	4.67		
Total BTEX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	01/08/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	187	93.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	174	87.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/07/2025
 Reported: 01/10/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B141727
 Project Location: OXY

Sampling Date: 01/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 06 0-1' (H250046-21)

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	01/08/2025	ND	1.63	81.4	2.00	6.65		
Toluene*	<0.050	0.050	01/08/2025	ND	1.75	87.4	2.00	8.34		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.79	89.4	2.00	8.14		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	5.36	89.4	6.00	8.43		
Total BTEX	<0.300	0.300	01/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	01/08/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	217	108	200	5.68	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	198	98.8	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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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.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

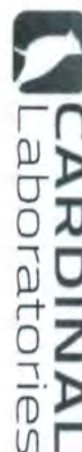
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

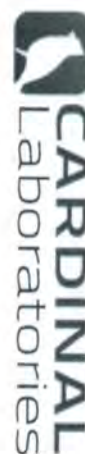
Company Name: Ensolum, LLC Project Manager: Kelly Lowery Address: 601 N. Marlenfield St. STE 400 City: Midland State: TX Zip: 79701 Phone #: 214-733-3165 Email: klowery@ensolum.com Project #: 038141727 Project Owner: Project Name: Lost Tank 18 Tankless CPF Project Location: Sampler Name: Kaoru Shimada / Nicolas Christakos										BILL TO P.O. #: Company: Oxy USA, Inc. Attn: Wade Dittrich Address: City: State: Zip: Phone #: (575) 390-2828 Email: wade_dittrich@oxy.com										ANALYSIS REQUEST																																																																																																													
Lab I.D. H250046										Sample I.D.										Sample Depth (feet)										(G)RAB OR (C)OMP.										# CONTAINERS										MATRIX										PRESERV.										SAMPLING																																																											
1 FSO1										1										C										1										X										1/6/25										823										X										X										X										BTEX 8021 B										TPH 8015 M										Chloride 4500									
2 FSO2										1										C										1										X										1/6/25										824										X										X										X										X										X										X									
3 FSO3										1										C										1										X										1/6/25										825										X										X										X										X										X										X									
4 FSO4										1										C										1										X										1/6/25										826										X										X										X										X										X										X									
5 FSO10										1										C										1										X										1/6/25										838										X										X										X										X										X										X									
6 FSO11										1										C										1										X										1/6/25										859										X										X										X										X										X										X									
7 FSO14										2										C										1										X										1/6/25										1137										X										X										X										X										X										X									
8 FSO15										2										C										1										X										1/6/25										1139										X										X										X										X										X										X									
9 FSO16										1										C										1										X										1/6/25										843										X										X										X										X										X										X									
10 FSO17										1										C										1										X										1/6/25										846										X										X										X										X										X										X									

PLEASE NOTE: Liability and/or damages caused by any error during analysis based on incorrect or false information provided by the client 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 the client within 30 days after completion of the analytical services.

In no event shall the provider be liable for incidental or consequential damages, including without limitation, business interruption, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors, agents, and/or third parties in reliance on the performance of services furnished by the provider, regardless of whether such claim is based upon any of the above stated express or otherwise.

Relinquished By: [Signature] Date: 1/7/25 Time: 1:30 Date: 1/10 Time:										Received By: [Signature] Date: 1/7/25 Time: 1:30 Date: 1/10 Time:										Observed Temp. °C: 1.9 Corrected Temp. °C: 1.3 Sample Condition: Cool / Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No										CHECKED BY: [Signature] Thermometer ID: 3-day #140 Correction Factor: -0.1°C Thermometer ID: 3-day #140 Correction Factor: -0.1°C										REMARKS: Paykey/AE/NonAFE Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: AI Results are emailed. Please provide Email address: klowery@ensolum.com / wade_dittrich@oxy.com									
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST																					
Project Manager: Kelly Lowery		P.O. #:																							
Address: 601 N. Marland St. STE 400		Company: Oxy USA, Inc.																							
City: Midland State: TX Zip: 79701		Attn: Wade Dittrich																							
Phone #: 214-733-3165 Email: klowery@ensolum.com		Address:																							
Project #: 038141727 Project Owner:		City:																							
Project Name: Lost Tank 18 Tankless CPF		State:																							
Project Location:		Zip:																							
Sampler Name: Kaoru Shimada / Nicolas Christakos		Phone #: (575) 390-2828																							
		Email: wade_dittrich@oxy.com																							
FOR LAB USE ONLY		PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		DATE		TIME																
4250046	SW06	0-1	C	1	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :												
					X																				
<div>SK 1-6-25</div>															BTEX 8021 B		TPH 8015 M		Chloride 4500						
															X		X		X						
Relinquished By:		Date: 1/7/25		Received By:		Date: 1/7/25		Time: 1400																	
Relinquished By:		Date:		Received By:		Date:		Time:																	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool Intact <input checked="" type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials)		Thermometer ID Correction Factor																	
		1.9 1.3						Standard <input type="checkbox"/> Observed Temp. °C #4446 70.1/7/25																	

FORM-006 R 3.2 10/07/21

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

January 27, 2025

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LOST TANK 18 TANKLESS CPF

Enclosed are the results of analyses for samples received by the laboratory on 01/22/25 8:46.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 68 1' (H250372-01)

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	01/23/2025	ND	1.86	93.0	2.00	3.78	
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	14.4	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 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: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 69 1' (H250372-02)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEx	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 70 1' (H250372-03)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEx	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 71 1' (H250372-04)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 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: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 72 1' (H250372-05)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1700	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 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: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 73 1' (H250372-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 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: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 74 1' (H250372-07)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 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: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 12 1' (H250372-08)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST							
Project Manager: Beaux Jennings				P.O. #:											
Address: 601 N Marientfield Street, Suite 400				Company: Oxy USA Inc.											
City: Midland				Attn: Wade Dittich											
State: TX Zip: 79701				Address:											
Phone #: 210-219-8858				City:											
Fax #:				State:											
Project #: 03BIA17227				Project Owner: Kelly Lowery											
Project Name: LOG Tank 18 Tankless CPF				City:											
Project Location: Lea County NM				State:											
Sample Name: 11/10/10				Phone #: 575-390-2828											
FOR LAB USE ONLY				Fax #:											
Lab I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING	
										GROUNDWATER					
										WASTEWATER					
										SOIL					
										OIL					
										SLUDGE					
										OTHER :					
										ACID/BASE:					
										ICE / COOL:					
										OTHER :					
										DATE		TIME			
F568		1'		1'		1'		1'		10:00 10:00 10:00		10:00		BTX 8021B	
F569		1'		1'		1'		1'		10:00 10:00 10:00		10:00		TPH 8015M/D	
F570		1'		1'		1'		1'		10:00 10:00 10:00		10:00		Chlorine 4500	
F571		1'		1'		1'		1'		10:00 10:00 10:00		10:00			
F572		1'		1'		1'		1'		10:00 10:00 10:00		10:00			
F573		1'		1'		1'		1'		10:00 10:00 10:00		10:00			
F574		1'		1'		1'		1'		10:00 10:00 10:00		10:00			
F512		1'		1'		1'		1'		10:00 10:00 10:00		10:00			



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

January 27, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LOST TANK 18 TANKLESS CPF

Enclosed are the results of analyses for samples received by the laboratory on 01/22/25 8:46.

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

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 02 0.5 (H250373-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 02 1 (H250373-02)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 03 0.5 (H250373-03)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	207	104	200	0.0145	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	188	94.1	200	0.359	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 49.1-148

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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 03 1 (H250373-04)

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	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 04 0.5 (H250373-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2025	ND	1.86	93.0	2.00	3.78		
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16		
Total BTX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 04 1 (H250373-06)

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	01/23/2025	ND	1.86	93.0	2.00	3.78	
Toluene*	<0.050	0.050	01/23/2025	ND	2.05	103	2.00	1.56	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.35	118	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.23	120	6.00	1.16	
Total BTEX	<0.300	0.300	01/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 05 0.5 (H250373-07)

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	01/23/2025	ND	1.90	94.8	2.00	2.61	
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26	
Total BTEX	<0.300	0.300	01/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 05 1 (H250373-08)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 103 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 06 0.5 (H250373-09)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 06 1 (H250373-10)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 07 0.5 (H250373-11)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/23/2025	ND	432	108	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	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 07 1 (H250373-12)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 08 0.5 (H250373-13)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 08 1 (H250373-14)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 09 0.5 (H250373-15)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 09 1 (H250373-16)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 10 0.5 (H250373-17)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 10 1 (H250373-18)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 11 0.5 (H250373-19)

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	01/23/2025	ND	1.90	94.8	2.00	2.61	
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	01/23/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	10.9	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 11 1 (H250373-20)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 12 0.5 (H250373-21)

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	01/23/2025	ND	1.90	94.8	2.00	2.61	
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26	
Total BTEX	<0.300	0.300	01/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/23/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 12 1 (H250373-22)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 14 0.5 (H250373-23)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	226	113	200	12.6	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	233	116	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 14 1 (H250373-24)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 15 0.5 (H250373-25)

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	01/23/2025	ND	1.90	94.8	2.00	2.61	
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	18.3	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 15 1 (H250373-26)

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	01/23/2025	ND	1.90	94.8	2.00	2.61		
Toluene*	<0.050	0.050	01/23/2025	ND	2.02	101	2.00	2.11		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.95	97.3	2.00	2.21		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.73	95.4	6.00	2.26		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 16 0.5 (H250373-27)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/23/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 16 1 (H250373-28)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEx	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/23/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 17 0.5 (H250373-29)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEx	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 17 1 (H250373-30)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 18 0.5 (H250373-31)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEx	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/23/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 18 1 (H250373-32)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 19 0.5 (H250373-33)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2025	ND	1.92	96.0	2.00	5.72	
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20	
Total BTX	<0.300	0.300	01/23/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 19 1 (H250373-34)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 20 0.5 (H250373-35)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEx	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 20 1 (H250373-36)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 21 0.5 (H250373-37)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/22/2025
 Reported: 01/27/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS 21 1 (H250373-38)

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	01/23/2025	ND	1.92	96.0	2.00	5.72		
Toluene*	<0.050	0.050	01/23/2025	ND	1.99	99.5	2.00	4.19		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	4.85		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.22	104	6.00	5.20		
Total BTEX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	206	103	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

104

 $\frac{2}{4}$

2 of 4



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

February 06, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LOST TANK 18 TANKLESS CPF

Enclosed are the results of analyses for samples received by the laboratory on 02/04/25 14:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	LOST TANK 18 TANKLESS CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417227	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: DS 01 (0.5') (H250674-01)

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	02/05/2025	ND	2.34	117	2.00	0.167	
Toluene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	0.0601	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.41	120	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	7.25	121	6.00	4.17	
Total BTEX	<0.300	0.300	02/05/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/05/2025	ND	432	108	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	02/05/2025	ND	202	101	200	1.45	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	203	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/04/2025
 Reported: 02/06/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 02/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DS 01 (1') (H250674-02)

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	02/05/2025	ND	2.34	117	2.00	0.167		
Toluene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	0.0601		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.41	120	2.00	3.09		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	7.25	121	6.00	4.17		
Total BTEX	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/05/2025	ND	432	108	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	02/05/2025	ND	202	101	200	1.45	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	203	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	LOST TANK 18 TANKLESS CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417227	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: DS 13 (0.5') (H250674-03)

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	02/05/2025	ND	2.34	117	2.00	0.167		
Toluene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	0.0601		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.41	120	2.00	3.09		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	7.25	121	6.00	4.17		
Total BTEx	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/05/2025	ND	432	108	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	02/05/2025	ND	202	101	200	1.45	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	203	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/04/2025
 Reported: 02/06/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 02/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DS 13 (1') (H250674-04)

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	02/05/2025	ND	2.34	117	2.00	0.167		
Toluene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	0.0601		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.41	120	2.00	3.09		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	7.25	121	6.00	4.17		
Total BTEX	<0.300	0.300	02/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/05/2025	ND	432	108	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	02/05/2025	ND	202	101	200	1.45	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	203	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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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.
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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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "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

Company Name: Ensafum, LLC Project Manager: Kelly Lowery Address: 601 N. Mendenhall City: Midland State: TX Zip: 79701 Phone #: Klowery@ensafum.com Fax #: Project #: 038147227 Project Owner: Oxy Project Name: Lost Tank 18 Tankless CPF Project Location: LEA COUNTY, NM. Sample Name: Udeh Azuka FOR LAB USE ONLY				BILL TO P.O. #: Company: Oxy Attn: Macke Dyffrich Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST			
Lab I.D. H50674 Sample I.D.				Matrix (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :				DATE TIME 2/4/25 1230 2/4/25 1232 2/4/25 1240 2/4/25 1242			
D501 (0.5') D501 (1') D513 (0.5') D513 (1')				X X X X				X X X X			
1 2 3 4				1 1 1 1				X X X X			
Relinquished By: [Signature] Relinquished Date: 2/14/2025 Relinquished By: [Signature] Relinquished Date: 2/14/2025				Received By: [Signature] Received Date: 2/14/2025				REMARKS:			
Delivered By: (Circle One) Sample - UPS - Bus - Other:				Observed Temp. °C Corrected Temp. °C				Sample Condition Cool Intact Yes No Yes No			
Checked By: [Signature] Turnaround Time: 30 days Thermometer ID #140 Correction Factor -0.6°C -1.0°C				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Yes No Yes No			



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

March 03, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LOST TANK 18 TANKLESS CPF

Enclosed are the results of analyses for samples received by the laboratory on 02/28/25 13:06.

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

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/28/2025
Reported:	03/03/2025	Sampling Type:	Soil
Project Name:	LOST TANK 18 TANKLESS CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417227	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: DS 02 0.5' (H251228-01)

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	02/28/2025	ND	1.81	90.4	2.00	2.83		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.1	2.00	1.89		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.97	98.3	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	6.09	102	6.00	2.12		
Total BTEX	<0.300	0.300	02/28/2025	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	80.0	16.0	03/03/2025	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	02/28/2025	ND	214	107	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/28/2025	ND	200	99.8	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	02/28/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 71.8-148

Surrogate: 1-Chlorooctadecane 86.5 % 63.9-155

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/28/2025
 Reported: 03/03/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 02/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS 11 0.5' (H251228-02)

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	02/28/2025	ND	1.81	90.4	2.00	2.83		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.1	2.00	1.89		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.97	98.3	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	6.09	102	6.00	2.12		
Total BTEX	<0.300	0.300	02/28/2025	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	16.0	16.0	03/03/2025	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	02/28/2025	ND	214	107	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/28/2025	ND	200	99.8	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	02/28/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 71.8-148

Surrogate: 1-Chlorooctadecane 87.4 % 63.9-155

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/28/2025
 Reported: 03/03/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 02/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS 15 0.5' (H251228-03)

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	02/28/2025	ND	1.81	90.4	2.00	2.83		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.1	2.00	1.89		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.97	98.3	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	6.09	102	6.00	2.12		
Total BTEX	<0.300	0.300	02/28/2025	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	160	16.0	03/03/2025	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	02/28/2025	ND	214	107	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/28/2025	ND	200	99.8	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	02/28/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 71.8-148

Surrogate: 1-Chlorooctadecane 84.0 % 63.9-155

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/28/2025
 Reported: 03/03/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 02/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS 20 0.5' (H251228-04)

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	02/28/2025	ND	1.81	90.4	2.00	2.83		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.1	2.00	1.89		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.97	98.3	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	6.09	102	6.00	2.12		
Total BTEX	<0.300	0.300	02/28/2025	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	176	16.0	03/03/2025	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	02/28/2025	ND	214	107	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/28/2025	ND	200	99.8	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	02/28/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 71.8-148

Surrogate: 1-Chlorooctadecane 87.5 % 63.9-155

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/28/2025
 Reported: 03/03/2025
 Project Name: LOST TANK 18 TANKLESS CPF
 Project Number: 03B1417227
 Project Location: OXY - LEA CO NM

Sampling Date: 02/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS 21 0.5' (H251228-05)

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	02/28/2025	ND	1.81	90.4	2.00	2.83		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.1	2.00	1.89		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.97	98.3	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	6.09	102	6.00	2.12		
Total BTEX	<0.300	0.300	02/28/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/03/2025	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	02/28/2025	ND	214	107	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/28/2025	ND	200	99.8	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	02/28/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 71.8-148

Surrogate: 1-Chlorooctadecane 80.8 % 63.9-155

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For 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

Company Name: Ensolum, LLC

Project Manager: Beau Jennings Kelly Lowery

Address: 601 N. Marland St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 240-249-8858 247-733-3145 Fax #:

Project #: 03B1417227 Project Owner:

Project Name: Lost Tank 1B Tankless CPF

Project Location: Lea County

Sampler Name: Tabitha Guadian

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

MATRIX

PRESERV

SAMPLING

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500



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

October 03, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MILLS RANCH PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/30/24 13:45.

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

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

Received: 09/30/2024
 Reported: 10/03/2024
 Project Name: MILLS RANCH PIT
 Project Number: 03B1417139
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: MILLS RANCH PIT 0.25' (H245925-01)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	0.060	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2024	ND	432	108	400	7.14	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



BILL TO

ANALYSIS REQUEST

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

From: [Kelly Lowery](#)
To: [Wells, Shelly, EMNRD](#)
Subject: [EXTERNAL] RE: NAPP2427026341 LOST TANK 18 TANKLESS CPF
Date: Wednesday, April 2, 2025 4:15:57 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[Lost Tank 18 Tankless CPF \(nAPP2427026341\) - Delineation Photos.pdf](#)

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

Hi Shelly,

I've attached some photos representing the delineation sample locations during the January 21, 2025 and the February 28, 2025 delineation sampling events. I could not locate photos for DS15 or DS20 areas from January 21, 2025 so I've only attached the photos that were collected during the February 28, 2025 sampling event for these locations, and for the DS02 area I've attached a photo from February 4, 2025 when Ensolum went to collect two additional delineation samples (DS01 and DS13) and to oversee the beginning of the backfill activities. Please keep in mind that when these photos were collected, the accuracy may have been off due to connectivity in the field with the satellites the apps utilize (as represented in the photos attached), but I believe these photos represent the areas in question.

Between the January 21, 2025 delineation sampling date and the February 28, 2025 sampling date, no further remediation activities were conducted as we were awaiting final excavation sample results. During this time period as stated above, two delineation sample locations were sampled (DS01 and DS13) and it was determined based on the laboratory analytical results that the five delineation sample locations in question (DS02, DS11, DS15, DS20 and DS21) would need to be resampled since they did not meet reclamation standards. Ensolum went back out on February 28, 2025 to collect these five samples since a 48-hour sampling notification was not submitted for the February 14, 2025 backfill photo collection event.

Please let me know if this helps answer your questions.

Thank you,



Kelly Lowery, GIT
Project Geologist
214-733-3165
Ensolum, LLC
in f 

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, April 2, 2025 2:58 PM
To: Kelly Lowery <klowery@ensolum.com>

Subject: NAPP2427026341 LOST TANK 18 TANKLESS CPF

[**EXTERNAL EMAIL**]

Hi Kelly,

I am reviewing the submitted remediation closure report for the following release NAPP2427026341 LOST TANK 18 TANKLESS CPF and have questions. DS02, DS11, DS15, DS20, and DS21 were all collected on 1/21/25 and did not meet the reclamation standards. When recollected on 2/28/25 at the same locations and same depths they did. What happened in between the sample collections. The remediation summary does not say. I look forward to hearing what you have to say.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc.
Incident ID: nAPP2427026341



View of DS02 area during backfill activities, facing south (February 4, 2025).



View of DS02 area during delineation sampling activities, facing southeast (February 28, 2025).

Project: Lost Tank 18 Tankless CPF

Entity: Oxy USA, Inc.

Incident ID: nAPP2427026341



View of DS11 during delineation sampling activities, facing south (January 21, 2025).



View of DS11 during delineation sampling activities, facing northwest (February 28, 2025).

Project: Lost Tank 18 Tankless CPF
Entity: Oxy USA, Inc.
Incident ID: nAPP2427026341



View of DS15 during delineation sampling activities, facing northeast (February 28, 2025).



View of DS20 during delineation sampling activities, facing south (February 28, 2025).

Project: Lost Tank 18 Tankless CPF

Entity: Oxy USA, Inc.

Incident ID: nAPP2427026341



View of DS21 during delineation sampling activities, facing south (January 21, 2025).



View of DS21 during delineation sampling activities, facing southwest (February 28, 2025).

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

QUESTIONS

Action 440752

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 440752
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2427026341
Incident Name	NAPP2427026341 LOST TANK 18 TANKLESS CPF @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Lost Tank 18 Tankless CPF
Date Release Discovered	09/13/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 50 BBL Recovered: 40 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 440752

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 440752
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 03/10/2025
--	--

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QUESTIONS, Page 3

Action 440752

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 440752
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	15000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	922
GRO+DRO (EPA SW-846 Method 8015M)	738
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	12/17/2024
On what date will (or did) the final sampling or liner inspection occur	02/28/2025
On what date will (or was) the remediation complete(d)	02/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	31536
What is the estimated volume (in cubic yards) that will be reclaimed	1168
What is the estimated surface area (in square feet) that will be remediated	23204
What is the estimated volume (in cubic yards) that will be remediated	900

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 440752

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	440752
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 03/10/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 440752

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 440752
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 440752

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 440752
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	435452
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/28/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	23204
What was the total volume (cubic yards) remediated	900
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	31536
What was the total volume (in cubic yards) reclaimed	1168
Summarize any additional remediation activities not included by answers (above)	Reclamation of facility pad will be conducted once the facility has been decommissioned in the future.

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 03/10/2025
--	---

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QUESTIONS, Page 7

Action 440752

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 440752
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 440752

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 440752
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	4/3/2025