



## CLOSURE REPORT

Property:

**Lost Tank 25 Tankless CPF**

**Unit D, S31, T22S, R32E  
32.3548056° N, 103.7221667° W  
Lea County, New Mexico  
NMOCD Incident ID: nAPP2417751874**

February 14, 2025

Ensolum Project No. 03B1417207


Prepared for:

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

**Attn: Wade Dittrich**

Prepared by:

  
\_\_\_\_\_  
Kelly Lowery, GH  
Project Geologist

  
\_\_\_\_\_  
Beaux Jennings  
Associate Principal

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## CLOSURE REPORT

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Ensolum Project No. 03B1417207

## 1.0 INTRODUCTION

### 1.1 Site Description and Background

<b>Operator:</b>	Oxy USA, Inc. (Oxy)
<b>Site Name:</b>	Lost Tank 25 Tankless CPF
<b>Location:</b>	Unit D, Section 31, Township 22 South, Range 32 East 32.3548056° N, 103.7221667° W Lea County, New Mexico
<b>Property:</b>	Federal Land managed by the Bureau of Land Management (BLM)
<b>Regulatory:</b>	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On June 21, 2024, Oxy had a release of produced water at the Site when the pressure relief valve opened due to an over pressured water line which resulted in a leak into the nearby pasture. The line was isolated, depressurized, locked, and tagged out. Approximately 50 barrels (bbls) of produced water was released onto the ground surface, with 0 bbls recovered. Oxy verbally reported the release to the New Mexico EMNRD OCD by email on June 21, 2024 and subsequently through the online notice of release (NOR) form on June 25, 2024. The release was subsequently assigned Incident Number nAPP2417751874.

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

### 1.2 Project Objective

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

## 2.0 CLOSURE CRITERIA

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



determine the appropriate closure criteria for the Site. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**, and included as **Figure 4** in **Appendix A**.

- No exploratory water wells were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database.
  - The nearest well (C-04663-POD1) is located 0.6-miles east of the Site and has a total depth of 110 feet bgs with no groundwater encountered from September 2022. Due to the regional depth to groundwater being greater than 110 feet bgs and the site being in a low karst area, Ensolum requested a closure criteria variance to reflect groundwater >100 feet shown in Table 1 of 19.15.29.12 NMAC for all remediation in areas not reasonably needed for production or subsequent drilling operations (off-pad pasture areas) greater than 4 feet bgs. A depth to water variance was approved on July 17, 2024.
- 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, there are no private, domestic freshwater wells used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database, 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 site 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+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

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 June 21, 2024, Oxy had a release of produced water at the Site when the pressure relief valve opened due to an over pressured water line which resulted in a leak into the nearby pasture. The line was isolated, depressurized, locked, and tagged out. The line was isolated, depressurized, locked, and tagged out. Approximately 50 bbls of produced water were released onto the ground surface, with 0 bbls recovered.

On November 19, 2024, subsequent to excavation activities, Ensolum arrived at the Site to collect 37 composite sidewall soil samples from the excavation extent (SW01, SW02, SW08, SW10 through SW16, and SW18 through SW47) at a depth of 0-4 feet bgs. Due to heavy rainfall that had occurred in the days prior to sampling, the excavation extent was flooded, preventing safe collection of the excavation floor samples. Once the soils in the area were sufficiently dried out, sampling and remediation activities would resume.



On December 3, 2024, Ensolum arrived at the Site to collect the remaining excavation floor and excavation sidewall samples. During sampling activities, 40 composite floor soil samples were collected from the excavation extent (FS01 through FS40) at a depth of 4 feet bgs. Additionally, 10 composite sidewall soil samples were collected from the excavation extent (SW03 through SW07, SW09, SW17, SW34, and SW36) and one composite sidewall soil sample was collected subsequent additional excavation activities (SW35), all at a depth of 0-4 feet bgs. Based on laboratory analytical results, no further remediation activities were required at this time.

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 lithology encountered during the completion of closure activities consisted primarily of fine sands with sandy clay loam, Maljamar and Palomas fine sands, 0 to 3 percent slopes (MF).

The final excavation area measured approximately 896 feet long at its maximum extent and 4 feet at its minimum extent to 56 feet wide at its maximum extents, with a total depth of approximately 4 feet bgs.

The excavation measured approximately 15,508 square feet in aerial extent. A total of approximately 2,298 cubic yards (cy) of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was backfilled utilizing material purchased locally from the Mills Ranch Pit and recontoured to match pre-existing conditions.

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

#### 4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from November 19, 2024, through December 3, 2024, included the collection of a total of 40 composite soil samples from the excavation floor (FS01 through FS40) and 48 composite soil samples from 47 sample locations on the excavation sidewalls (SW01 through SW47) for laboratory analysis.

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

#### 5.0 SOIL LABORATORY ANALYTICAL METHODS

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

Laboratory analytical results are summarized in **Table 1**, **Table 2**, and **Table 3** 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 at the Site 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 indicated benzene concentrations for the soils remaining in place at the Site and the backfill soil sample did not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicated that total BTEX concentrations for the soils remaining in place at the Site and the backfill soil sample did not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicated that combined TPH-GRO/DRO concentrations for the soils remaining in place at the Site in the Non-Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 1,000 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicated that combined TPH-GRO/DRO/MRO concentrations for the soils remaining in place at the Site in the Non-Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 2,500 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicated chloride concentrations for the soils remaining in place at the Site in the Non-Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 20,000 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicated that combined TPH-GRO/DRO/MRO concentrations for the soils remaining in place at the Site and the backfill soil sample in the Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results indicated chloride concentrations for the soils remaining in place at the Site and the backfill soil sample in the Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 600 mg/kg for depth to groundwater ≤50 feet.

Laboratory analytical results are summarized in **Table 1** and **Table 2** in **Appendix D**.

## 7.0 RECLAMATION AND RE-VEGETATION

The release occurred off-pad, and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off-pad area that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses reclamation of the off-pad area: The soil in the vicinity of the release includes: predominately fine sands with sandy clay loam, MF;

- The excavation was backfilled with locally sourced topsoil from the Mills Ranch Pit and recontoured to match the surrounding grade. The backfill soil sample analytical results will be included in the Reclamation and Revegetation Reports;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the BLM to meet reclamation standards for this region, which will be Loamy Sand/Fine Sandy Loam (SD-3/CP-2) Sites Seed Mixture;
- The seed mixture will be distributed with one of the following methods: push broadcaster seed spreader/tractor-operated broadcast seed spreader/drill seeding/other means;
- Application of the seed mixture will be at a coverage of either 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method, whichever is more applicable;
- Erosion control management will potentially include:
  - The placement of wattles in areas with a propensity for high run-off rates;



- Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
- Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas.
- Backfilling of the excavation has already been completed. The backfill soil sample analytical results are included as **Table 3 (Appendix D)** and will be included in the Reclamation and Revegetation Reports;
- Seeding is anticipated to be completed in the spring/summer when temperatures and precipitation are most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess the success of regrowth. If necessary, an additional application of the BLM-approved pure live seed mixture will be applied as well, and any needed BMPs will be installed to support growth and limit erosion;

## 8.0 FINDINGS AND RECOMMENDATION

- On June 21, 2024, Oxy had a release of produced water at the Site when the pressure relief valve opened due to an over pressured water line which resulted in a leak into the nearby pasture. The line was isolated, depressurized, locked, and tagged out. Approximately 50 bbls of produced water were released onto the ground surface, with 0 bbls recovered.
- Ensolum's soil sampling program from November 19, 2024, through December 3, 2024, included the collection of a total of 40 composite soil samples from 40 locations from the excavation floor (FS01 through FS40) and 48 composite soil samples from 47 locations from the excavation sidewalls (SW01 through SW47) for laboratory analysis. The composite floor samples were collected at a depth of 4 feet bgs, and the composite sidewall samples were collected at a depth of 0-4 feet bgs.
- 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 896 feet long at its maximum extent and 4 feet at its minimum extent to 56 feet wide at its maximum extents, with a total depth of approximately 4 feet bgs.
- Based on laboratory analytical results, the final composite soil samples collected from the excavation area and the backfill soil sample did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.
- Subsequent to the results of the final composite soil sampling, the excavation was backfilled with locally sourced topsoil from the Mills Ranch Pit and recontoured to the original surrounding grade. Once the areas are brought back to their original grade, a BLM-approved seed mixture will be sown into the surface of the backfill for re-vegetation per the above-stated Reclamation Plan.

**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.

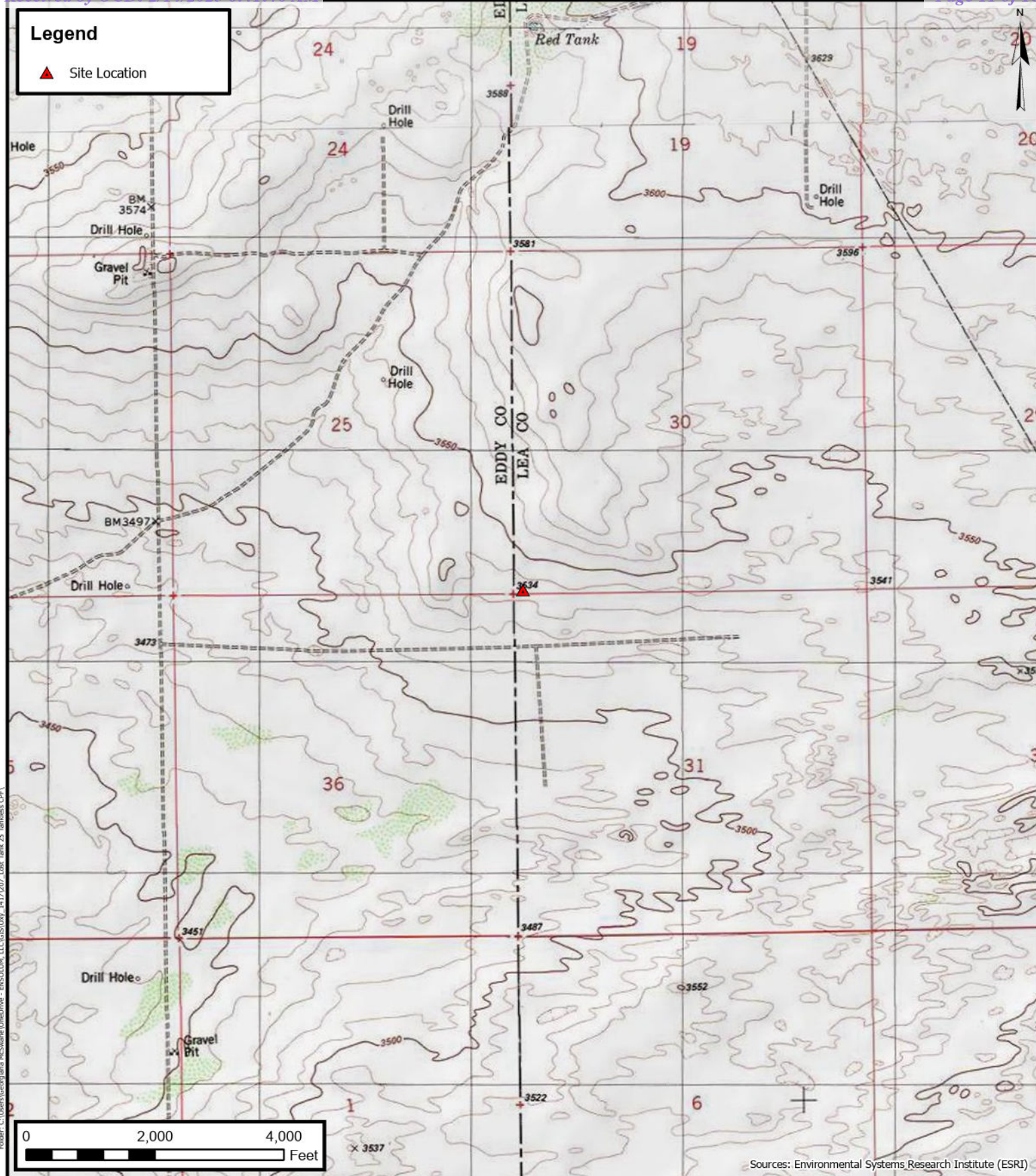


## APPENDIX A

### Figures

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## Topographic Map

Oxy USA Inc.  
Lost Tank 25 Tankless CPF  
32.3548056° N, 103.7221667° W  
Lea County, New Mexico

PROJECT NUMBER: 03B1417207

**FIGURE**

**1**





## Site Vicinity Map

Oxy USA Inc.  
Lost Tank 25 Tankless CPF  
32.3548056° N, 103.7221667° W  
Lea County, New Mexico

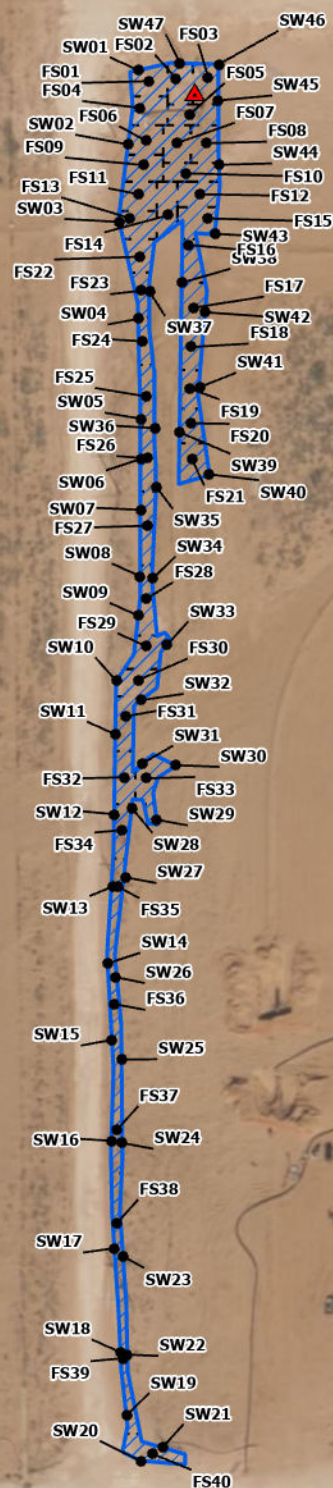
PROJECT NUMBER: 03B1417207

**FIGURE**  
**2**



**Legend**

- ▲ Site Location
- Confirmation Soil Sample Location
- ▨ Excavation Extent
- Soil Sample Grid
- - Boundary



0 100 200  
Feet

Sources: Environmental Systems Research Institute (ESRI)

**Site Map**

Oxy USA Inc.  
Lost Tank 25 Tankless CPF  
32.3548056° N, 103.7221667° W  
Lea County, New Mexico

PROJECT NUMBER: 03B1417207

**FIGURE****3**





## Closure Criteria Map

Oxy USA Inc.  
Lost Tank 25 Tankless CPF  
32.3548056° N, 103.7221667° W  
Lea County, New Mexico

PROJECT NUMBER: 03B1417207

**FIGURE**  
**4**



## APPENDIX B

### Supporting Documentation

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## Kelly Lowery

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**From:** Dittrich, John W <Wade\_Dittrich@oxy.com>  
**Sent:** Friday, June 21, 2024 3:42 PM  
**To:** OCD.Enviro@emnrd.nm.gov; BLM\_NM\_CFO\_Spill@blm.gov  
**Cc:** Beaux Jennings; Kelly Lowery; Hadlie Green; Pierce, Tyson (The Bergaila Company)  
**Subject:** Initial Notification

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

All,

This is to inform you that Oxy Permian had a **Reportable** release in **Lea** County at the **Lost Tank 25 Tankless CPF** on 6/21/2024.

**Release Location:** Legal -30-22S-32E

**Release Volume:** 0 bbls of Oil and 50 bbls of Produced Water.

**Recovered:** 0 bbls of Oil recovered and 0 bbls of PW recovered

**Cause of Release:** Steel line at header failure

**Approximate Area impacted by release:** -TBD-Leak is OFF location/in pasture (measurements are subject to change with GPS tracking)

**GPS Coordinates of Leak and Driving Directions:** 32.55214, -103.722245- Int. Of C29(Red RD) & Mills Ranch Road, go South on C29 for .3 mile, turn left(E) and go 1.0 miles to cattleguard, go across cattleguard and turn left(N) for .1, leak is on the right-hand side in the pasture.

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:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Sent:** Wednesday, July 17, 2024 9:03 AM  
**To:** Kelly Lowery  
**Cc:** Wade\_Dittrich@oxy.com; Beaux Jennings; Tyson Pierce; Bratcher, Michael, EMNRD  
**Subject:** Re: [EXTERNAL] Closure Criteria Variance Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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

Good morning Kelly,

Thank you for the correspondence. Your variance toward the depth to water determination > 100 feet below ground surface is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Tuesday, July 16, 2024 4:52 PM  
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Closure Criteria Variance Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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**From:** Kelly Lowery <klowery@ensolum.com>  
**Sent:** Tuesday, July 16, 2024 4:15 PM

**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

**Cc:** Dittrich, John W <Wade\_Dittrich@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson\_pierce@oxy.com>

**Subject:** [EXTERNAL] Closure Criteria Variance Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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

Good evening,

On behalf of Oxy USA Inc, Ensolum, LLC would like to request a Closure Criteria Variance for the Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874).

Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

- An equipment failure on a flow line resulted in the release of 50 barrels of produced water, with 0 barrels of produced water recovered. The Site will be vertically and laterally delineated per NMAC 19.15.29.

Attached is groundwater research from the area surrounding the release. All nearby USGS and NMOSE wells indicate depth to groundwater greater than 100 feet bgs. The nearest borehole (C-04663-POD1) with depth to groundwater data is located 0.6 miles east of the release area and has a recorded total depth of the well at 110 feet bgs with no groundwater encountered from September 2022.

Due to the regional depth to groundwater being greater than 110 feet bgs and the site being in low potential karst area, Ensolum requests a Closure Criteria Variance to reflect groundwater > 100 feet as shown in Table 1 of 19.15.29.12 NMAC for all remediation in areas not reasonably needed for production or subsequent drilling operations (off-pad pasture areas) greater than 4 feet bgs.

Please let me know if you have any questions,



**Kelly Lowery, GIT**

Project Geologist

214-733-3165

Ensolum, LLC



**Kelly Lowery**

---

**From:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Sent:** Friday, August 9, 2024 11:05 AM  
**To:** Kelly Lowery  
**Cc:** Wade Dittrich; Tyson Pierce; Beaux Jennings; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD  
**Subject:** Re: [EXTERNAL] Sampling Variance Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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

Good morning Kelly,

Thank you for the inquiry.

Your request to submit a sampling plan not to exceed 400 square feet (ft.<sup>2</sup>) for each five (5) point composite (5pc) from the excavation floor per 19.15.29.12D (1b) NMAC is approved. Sidewall confirmation sample(s) will abide at 200 ft.<sup>2</sup> for each 5pc per 19.15.29.12D (1c) NMAC. All other provisions addressed in 19.15.29.12D NMAC remain in effect.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Have a safe and productive day!

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/ocd>



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**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Thursday, August 8, 2024 3:04 PM  
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Sampling Variance Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

**From:** Kelly Lowery <klowery@ensolum.com>  
**Sent:** Thursday, August 8, 2024 2:18 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrn.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 25 Tankless CPF (Incident ID: nAPP2417751874)

**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. (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 25 Tankless CPF (Incident ID: nAPP2417751874). Ensolum requests an alternate of 400 square feet, five-point composite samples collected from the Site. The current release extent is approximately 13,261 square feet, which would roughly equal 66 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 33 samples.

Attached is a Site Map depicting the site characterizations for the surrounding area.

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 t



**Kelly Lowery**

---

**From:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Sent:** Wednesday, September 18, 2024 10:03 AM  
**To:** Kelly Lowery  
**Cc:** Wade Dittrich; Tyson Pierce; Beaux Jennings; Wells, Shelly, EMNRD; Bratcher, Michael, EMNRD  
**Subject:** Re: [EXTERNAL] Extension Request: Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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

Good morning Kelly,

Your 90-day time extension request is approved. Remediation Due date has been updated to December 18, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Wednesday, September 18, 2024 8:38 AM  
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Extension Request: Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

---

**From:** Kelly Lowery <klowery@ensolum.com>  
**Sent:** Wednesday, September 18, 2024 7:28 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] Extension Request: Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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, Ensolum, LLC would like to request a 90-day extension for the Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874). Excavation 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



**Kelly Lowery**

---

**From:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Sent:** Friday, January 3, 2025 3:34 PM  
**To:** Kelly Lowery  
**Cc:** Dittrich, John W; Pierce, Tyson (Legacy Safety & Consulting LLC); Beaux Jennings; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD  
**Subject:** Re: [EXTERNAL] RE: Extension Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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

Good afternoon Kelly,

Thank you for the correspondence. Happy New Year to you. After opening the incident page, I reviewed the request and had approved it for 90 days on December 18, 2024 (due March 18, 2025), but failed to forward you a reply. My deepest apologies for not doing so. I believe this addresses your inquiry.

If you have any questions or concerns, please don't hesitate to contact me.

Have a safe and productive day!

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/ocd>



---

**From:** Kelly Lowery <klowery@ensolum.com>  
**Sent:** Friday, January 3, 2025 2:18 PM  
**To:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Cc:** Dittrich, John W <Wade\_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson\_pierce@oxy.com>; Beaux Jennings <bjenings@ensolum.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** RE: [EXTERNAL] RE: Extension Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

Thank you ma'am have a good evening!



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

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**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Friday, January 3, 2025 3:17 PM  
**To:** Kelly Lowery <klowery@ensolum.com>  
**Cc:** Dittrich, John W <Wade\_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson\_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** RE: [EXTERNAL] RE: Extension Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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

Hi Kelly,

Nelson Velez is the reviewer for NAPP2417751874 LOST TANK 25 TANKLESS CPF and as such I am cc'ing him on here.

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](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Kelly Lowery <[klowery@ensolum.com](mailto:klowery@ensolum.com)>  
**Sent:** Friday, January 3, 2025 2:04 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Dittrich, John W <[Wade\\_Dittrich@oxy.com](mailto:Wade_Dittrich@oxy.com)>; Pierce, Tyson (Legacy Safety & Consulting LLC) <[tyson\\_pierce@oxy.com](mailto:tyson_pierce@oxy.com)>; Beaux Jennings <[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>  
**Subject:** [EXTERNAL] RE: Extension Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

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

Good afternoon,

I wanted to follow up on this Extension Request that was sent on December 17<sup>th</sup>. I know the holiday's may have caused a jumble with emails and response times but I wanted to make sure it didn't get lost.

Thank you and have a good weekend!



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

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**From:** Kelly Lowery  
**Sent:** Tuesday, December 17, 2024 5:07 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Dittrich, John W <[Wade.Dittrich@oxy.com](mailto:Wade.Dittrich@oxy.com)>; Pierce, Tyson (Legacy Safety & Consulting LLC) <[tyson\\_pierce@oxy.com](mailto:tyson_pierce@oxy.com)>; Beaux Jennings <[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>  
**Subject:** Extension Request - Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874)

Good afternoon,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 90-day extension for the Lost Tank 25 Tankless CPF (Incident ID: nAPP2417751874). Excavation and remediation activities were delayed due to the size of the excavation requiring approximately 2 ½ months to complete. Throughout the excavation length and extent, multiple underground pipelines intersected, which was a potential safety issue when utilizing heavy equipment. To ensure the safety of personnel, a hydrovac, as well as hand shoveling, was utilized throughout the majority of the release which caused the remediation activities to occur over the course of 2 ½ months. Additionally, this area of New Mexico experienced heavy rainfall during the weekend of November 16<sup>th</sup>, 2024, which caused delays with sampling and additional excavation due to soils being too wet to sample and excavate safely. Remediation activities have been completed and backfill of the excavation is currently on-going pending approval from the landowner. Once complete, the Remediation Closure Request will be drafted and submitted to the portal for review.

We ask that you please approve this extension request for the reporting phase of this project. The Site characterization was uploaded to the NMOCD Portal on 6/27/2024. I have attached a Site Closure Criteria map along with the bore log for C-04663POD1, drilled on 9/1/2022, which is southeast of the site approximately 0.6-miles and with a total depth of 110' with no groundwater encountered. Oxy received a DTW variance approval from the OCD to utilize this well on July 17, 2024.

Please let us know if you have any questions.

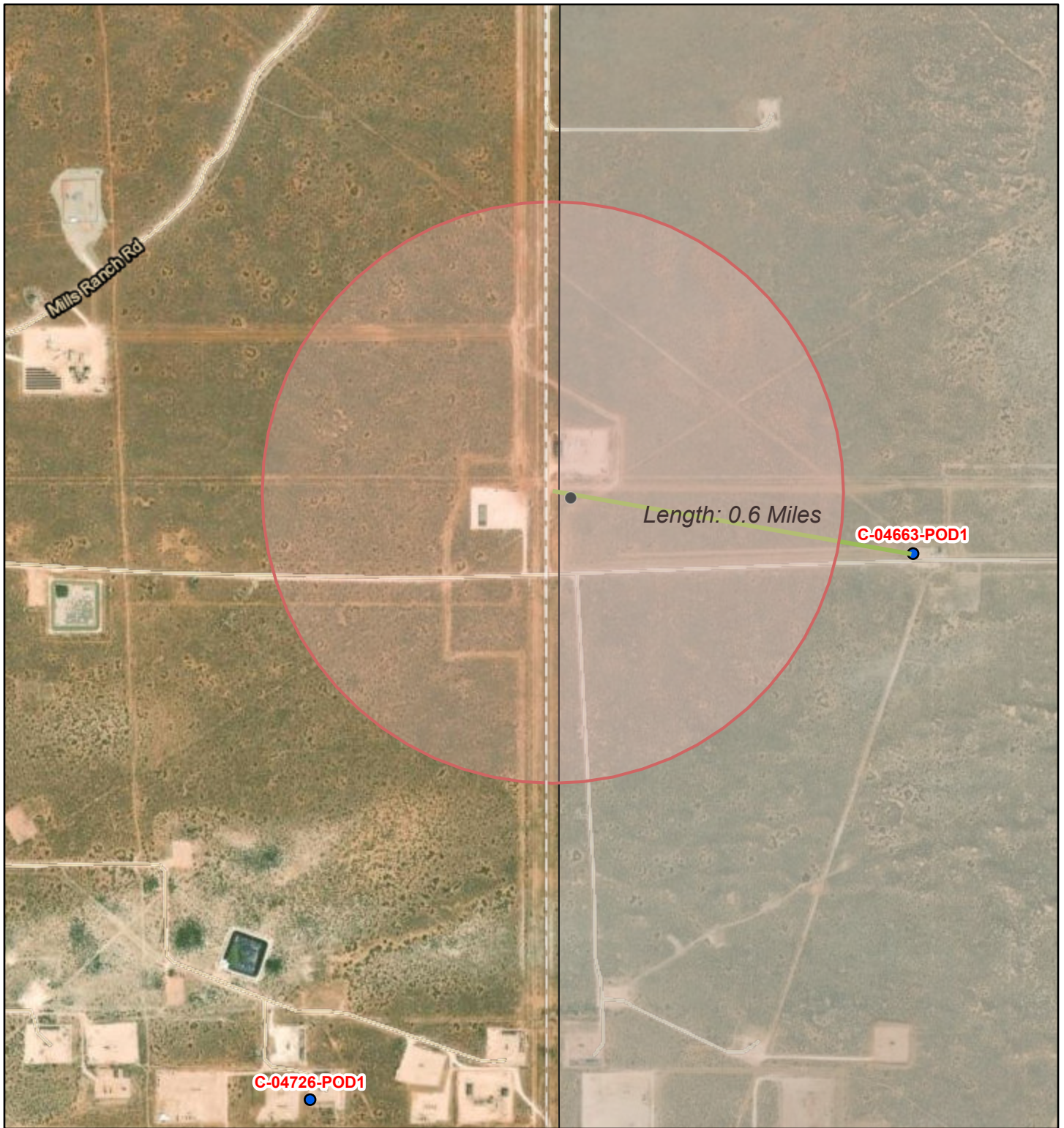
Thank you,



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

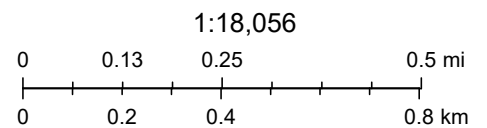


# OSE POD Location Map - Lost Tank 5 Tankless CPF



7/16/2024, 4:32:03 PM

- |   |  |
|---|--|
|  Override 1 |  OSE District Boundary  |
|  Override 1 | Water Right Regulations  |
| GIS WATERS PODs   |  Closure Area           |
|  Active    |  Artesian Planning Area |



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

OSE DJJ APR 27 2023 PM 3:24

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4726			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 20	SECONDS 23.65	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	43	47.22	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW L2 Sec.1 T23S R31E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 4/17/23	DRILLING ENDED 4/17/23	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 4/25/23		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.25	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)


FILE NO. <b>C-04726</b>	POD NO. <b>1</b>	TRN NO. <b>745169</b>
LOCATION <b>23S. 31E. 01. 114</b>	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, medium-fine grained, poorly, graded, unconsolidated, brown	Y    ✓ N	
	9	14	5	Sand, medium-fine grained, poorly, graded, semi-consolidated, brown	Y    ✓ N	
	14	20	6	Sand, medium-fine grained, poorly, graded, unconsolidated, tan	Y    ✓ N	
	20	45	25	Sand, fine grained, poorly, graded, unconsolidated, tan	Y    ✓ N	
	45	55	10	Clay, stiff, with very-fine silt, reddish brown	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):    0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 10 Tomb Raider 1 Fed 1 <div style="text-align: right;">DSE ON APR 27 2023 PM 01:24</div>		
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jackie D. Atkins	4/26/23 DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 01/28/2022)

FILE NO. <b>C-04726</b>	POD NO. <b>1</b>	TRN NO. <b>745169</b>
LOCATION <b>235. 31E. 01. 114</b>		WELL TAG ID NO.    PAGE 2 OF 2





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04663 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-04663			
	WELL OWNER NAME(S) OXY US INC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS PO BOX 4294				CITY HOUSTON	STATE TX	ZIP 77210	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 21	SECONDS 12.43	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	42	43.74	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE PROXIMITY 31								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE		
	DRILLING STARTED 09/01/2022	DRILLING ENDED 09/01/2022	DEPTH OF COMPLETED WELL (FT) 110	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				NO CASING IN HOLE				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-04663	POD NO. 1	TRN NO. 732427
LOCATION 27S. 32E. 31. 3. 1. 2	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES  (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10		RED SAND	Y    ✓ N	
	10	14		CALICHIE	Y    ✓ N	
	14	17		RED SAND	Y    ✓ N	
	17	40		RED SANDY CLAY	Y    ✓ N	
	40	90		SANDSTONE	Y    ✓ N	
	90	97		RED CLAY	Y    ✓ N	
	97	100		SANDSTONE	Y    ✓ N	
	100	110		RED CLAY WITH SANDSTONE	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:  <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER – SPECIFY: DRY HOLE				TOTAL ESTIMATED WELL YIELD (gpm):	0.00
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION:						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND						
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	<div>Russell Southerland SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div> <div>RUSSELL SOUTHERLAND DATE</div>					

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO. C-04663	POD NO. 1	TRN NO. 732427	
LOCATION 775.32E, 31.3.1.2	WELL TAG ID NO. _____	PAGE 2 OF 2	



# Site Receptors - Lost Tank 25 Tankless CPF



7/16/2024, 4:56:11 PM

1:18,056

## OSE Water PODs

- Active

## Incident Release

- Produced Water Release
- Oil Release
- Natural Gas Release
- Release Other

## Karst Occurrence Potential

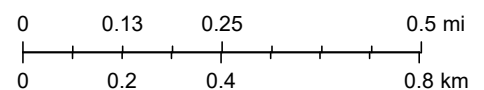
- Low

## Mineral Ownership

- A-All minerals are owned by U.S.
- N-No minerals are owned by the U.S.

## Land Ownership

- BLM
- S



U.S. BLM, BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., USGS, Esri, HERE, Garmin, IPC, Maxar, NM OSE

New Mexico Oil Conservation Division

PECOS DISTRICT, BLM  
SEED MIX FOR

The following Soils or Soil Association may represent these ecological sites:

Alama silt loam, dry, 0-3% Slope, Atoka, Bigetty-Pecos, Harkey fine sandy loam, Holloman, Holloman-Gypsum Land, Hollomex loam, 1-9% slope, dry, Largo loams, Milner loam, 0-2% slope, dry, Reagan loam, Reakor, Reakor-Bigetty, Reakor-Tencee, Reeves loam, 0-2% slope, dry, Russler, Shanta, Upton-Reakor

Loamy, SD-3 Ecological Site  
Loamy CP-2  
Gyp Upland CP-2

April 4, 2006

<u>Common Name and Preferred Variety</u>	<u>Scientific Name</u>	<u>Pounds of Pure Live Seed Per Acre</u>
Blue grama,	( <i>Bouteloua gracilis</i> )	4.0
Sideoats grama,	( <i>Bouteloua curtipendula</i> )	1.0
Sand dropseed	( <i>Sporobolus cryptandrus</i> )	0.5
Vine mesquite	( <i>Panicum obtusum</i> )	1.0
Plains bristlegrass	( <i>Setaria macrostachya</i> )	1.0
Indian blanketflower	( <i>Gaillardia aristata</i> )	0.5
Desert or Scarlet Globemallow	( <i>Sphaeralcea ambigua</i> ) or ( <i>S. coccinea</i> )	1.0
Annual sunflower	( <i>Helianthus annuus</i> )	0.75
TOTAL POUNDS PURE LIVE SEED (pls) PER ACRE		9.75
Certified Weed Free Seed		

If one species is not available, increase ALL others proportionately.  
Use No Less than 4 species, including one forb.

No less than 9.75 pounds pls per acre shall be applied

APPROVED: /s/ Douglas J. Burger  
District Manager, Pecos District



## APPENDIX C

### Photographic Documentation

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Project: Lost Tank 25 Tankless CPF  
Entity: Oxy USA, Inc  
Incident ID: nAPP2417751874



View of release area prior to remediation activities, facing north (June 21, 2024).



View of release area prior to remediation activities, facing northeast (June 21, 2024).



Project: Lost Tank 25 Tankless CPF  
Entity: Oxy USA, Inc  
Incident ID: nAPP2417751874



View of excavation extent during remediation activities, facing north (November 19, 2024).



View of excavation extent during remediation activities, facing west (November 19, 2024).



Project: Lost Tank 25 Tankless CPF  
Entity: Oxy USA, Inc  
Incident ID: nAPP2417751874



View of excavation extent during remediation activities, facing northwest (November 19, 2024).



View of excavation extent during remediation activities, facing north (November 19, 2024).



Project: Lost Tank 25 Tankless CPF  
Entity: Oxy USA, Inc  
Incident ID: nAPP2417751874



View of excavation extent during remediation activities, facing south (December 3, 2024).



View of excavation extent during remediation activities, facing northwest (December 3, 2024).



Project: Lost Tank 25 Tankless CPF  
Entity: Oxy USA, Inc  
Incident ID: nAPP2417751874



View of excavation extent during remediation activities, facing west (December 3, 2024).



View of excavation extent during remediation activities, facing south (December 3, 2024).



Project: Lost Tank 25 Tankless CPF

Entity: Oxy USA, Inc

Incident ID: nAPP2417751874



View of excavation extent post backfill activities, facing north (January 3, 2025).



View of excavation extent post backfill activities, facing southeast (January 3, 2025).



## APPENDIX D

### Table

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**TABLE 1**  
**EXCAVATION FLOOR SOIL SAMPLE ANALYTICAL RESULTS (NON-VEGETATIVE ZONE)**  
Lost Tank 25 Tankless CPF  
Oxy USA, Inc.  
Lea County, New Mexico  
Ensolum Project No. 03B1417207

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
Excavation Floor Soil Sample Analytical Results												
FS01	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	64.0
FS02	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	16.0
FS03	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	32.0
FS04	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	448
FS05	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	208
FS06	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	144
FS07	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	80.0
FS08	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	608
FS09	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	48.0
FS10	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	384
FS11	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	256
FS12	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	496
FS13	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	192
FS14	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	416
FS15	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	272
FS16	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	560
FS17	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	64.0
FS18	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	48.0
FS19	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	208
FS20	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	64.0
FS21	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	176
FS22	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	16.0
FS23	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	16.0
FS24	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	96.0
FS25	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	720
FS26	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,280
FS27	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,410
FS28	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	80.0
FS29	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	640
FS30	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	32.0
FS31	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	32.0
FS32	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<16.0
FS33	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	48.0
FS34	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	16.0
FS35	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	32.0

**TABLE 1**  
**EXCAVATION FLOOR SOIL SAMPLE ANALYTICAL RESULTS (NON-VEGETATIVE ZONE)**  
 Lost Tank 25 Tankless CPF  
 Oxy USA, Inc.  
 Lea County, New Mexico  
 Ensolum Project No. 03B1417207

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
<b>New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (&gt; 100 feet)</b>			<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>1,000</b>		<b>NE</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Sample Analytical Results</b>												
FS36	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<b>32.0</b>
FS37	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<b>16.0</b>
FS38	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<16.0
FS39	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<16.0
FS40	12/3/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<b>32.0</b>

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**  
**EXCAVATION SIDEWALL SOIL SAMPLE ANALYTICAL RESULTS (VEGETATIVE ZONE)**

Lost Tank 25 Tankless CPF

Oxy USA, Inc.

Lea County, New Mexico

Ensolum Project No. 03B1417207

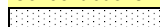
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
<b>New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)</b>			<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Excavation Sidewall Soil Sample Analytical Results</b>												
SW01	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW02	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SW03	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
SW04	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW05	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW06	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
SW07	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW08	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW09	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW10	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
SW11	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW12	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
SW13	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW14	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW15	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
SW16	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW17	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW18	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW19	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW20	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW21	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW22	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW23	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW24	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW25	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW26	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW27	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW28	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
SW29	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SW30	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW31	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW32	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

**TABLE 2**  
**EXCAVATION SIDEWALL SOIL SAMPLE ANALYTICAL RESULTS (VEGETATIVE ZONE)**

Lost Tank 25 Tankless CPF  
Oxy USA, Inc.  
Lea County, New Mexico  
Ensolum Project No. 03B1417207

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
<b>New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)</b>			<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Excavation Sidewall Soil Sample Analytical Results</b>												
SW33	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>528</b>
SW34	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
SW35	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>752</b>
	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>80.0</b>
SW36	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
SW37	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>128</b>
SW38	12/3/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>112</b>
SW39	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
SW40	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
SW41	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>64.0</b>
SW42	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>144</b>
SW43	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
SW44	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
SW45	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>64.0</b>
SW46	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>80.0</b>
SW47	11/19/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>224</b>

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 3**  
**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

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

November 22, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LOST TANK 25 TANKLESS CPF

Enclosed are the results of analyses for samples received by the laboratory on 11/19/24 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 01 0-4' (H247053-01)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5	
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3	QM-07
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4	QM-07
Total BTEX	<0.300	0.300	11/20/2024	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	16.0	16.0	11/21/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 02 0-4' (H247053-02)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	48.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 08 0-4' (H247053-03)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTX	<0.300	0.300	11/20/2024	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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 10 0-4' (H247053-04)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	144	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 11 0-4' (H247053-05)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 12 0-4' (H247053-06)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	112	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 117 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 13 0-4' (H247053-07)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEx	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 102 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 14 0-4' (H247053-08)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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**Analytical Results For:**

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

Received: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 15 0-4' (H247053-09)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	112	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 16 0-4' (H247053-10)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5	
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4	
Total BTX	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	32.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 18 0-4' (H247053-11)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 19 0-4' (H247053-12)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 20 0-4' (H247053-13)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 21 0-4' (H247053-14)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 22 0-4' (H247053-15)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 117 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 23 0-4' (H247053-16)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEx	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 25 0-4' (H247053-17)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	201	101	200	3.29	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	199	99.4	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 26 0-4' (H247053-18)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	16.0	16.0	11/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 27 0-4' (H247053-19)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5		
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4		
Total BTEX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	<16.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 28 0-4' (H247053-20)**

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	11/20/2024	ND	1.80	90.1	2.00	16.5	
Toluene*	<0.050	0.050	11/20/2024	ND	1.72	86.2	2.00	16.5	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.74	87.1	2.00	15.3	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.17	86.2	6.00	15.4	
Total BTEX	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	256	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 29 0-4' (H247053-21)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2		
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0		
Total BTX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	48.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 30 0-4' (H247053-22)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTEx	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	16.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 31 0-4' (H247053-23)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTX	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 32 0-4' (H247053-24)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTEX	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 33 0-4' (H247053-25)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTX	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	528	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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**Analytical Results For:**

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

Received: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 35 0-4' (H247053-26)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2		
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0		
Total BTEx	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	752	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 37 0-4' (H247053-27)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2		
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0		
Total BTX	<0.300	0.300	11/20/2024	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	128	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 39 0-4' (H247053-28)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2		
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0		
Total BTX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	48.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 40 0-4' (H247053-29)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2		
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0		
Total BTX	<0.300	0.300	11/20/2024	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	16.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 41 0-4' (H247053-30)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2		
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0		
Total BTX	<0.300	0.300	11/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	64.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 42 0-4' (H247053-31)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2		
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0		
Total BTEx	<0.300	0.300	11/20/2024	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	144	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 43 0-4' (H247053-32)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTX	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	48.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 44 0-4' (H247053-33)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2		
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0		
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7		
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0		
Total BTX	<0.300	0.300	11/20/2024	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	48.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 45 0-4' (H247053-34)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTEX	<0.300	0.300	11/20/2024	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	64.0	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 46 0-4' (H247053-35)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTEX	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 47 0-4' (H247053-36)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTEx	<0.300	0.300	11/20/2024	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	224	16.0	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 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: 11/19/2024  
 Reported: 11/22/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 24 0-4' (H247053-37)**

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	11/20/2024	ND	1.90	94.8	2.00	19.2	
Toluene*	<0.050	0.050	11/20/2024	ND	1.88	94.0	2.00	20.0	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.01	100	2.00	18.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.03	100	6.00	18.0	
Total BTEX	<0.300	0.300	11/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	11/20/2024	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	11/20/2024	ND	213	106	200	0.446	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	191	95.6	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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







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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 41 of 43

Company Name: Ensolum, LLC										BILL TO			ANALYSIS REQUEST										
Project Manager: Kelly Lowery										P.O. #: 03B1417207													
Address: 601 N Marienfeld Street, Suite 400										Oxy, USA, Inc.													
City: Midland State: TX Zip: 79701										Attn: Wade Dittrich													
Phone #: 214-733-3165 Fax #:										Address:													
Project #: 03B1417207 Project Owner:										City:													
Project Name: Lost Tank 25 Tankless CPF										State: Zip:													
Project Location: Lea County, New Mexico										Phone #													
Sampler Name: Noah Duker/Wally Perez										Fax #:													
FOR LAB USE ONLY										PRESERV.		SAMPLING		TPH 8015M	BTEX 8021B	Chloride 4500							
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :										
H247053																							
11	SW18	0-4	C	1			X				X			11/14/24	0842								
12	SW14	0-4	C	1			X				X			11/14/24	0843								
13	SW20	0-4	C	1			X				X			11/14/24	0844								
14	SW21	0-4	C	1			X				X			11/14/24	0845								
15	SW22	0-4	C	1			X				X			11/14/24	0847								
16	SW23	0-4	C	1			X				X			11/14/24	0848								
17	SW25	0-4	C	1			X				X			11/14/24	0851								
18	SW26	0-4	C	1			X				X			11/14/24	0852								
19	SW27	0-4	C	1			X				X			11/14/24	0853								
20	SW28	0-4	C	1			X				X			11/14/24	0855								

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Relinquished By:		Date:	Received By:	Verbal Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Wen Wen</i>		Time:	<i>Sped Rigney</i>	All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:	klowery@ensulum.com/bjennings@ensulum.com		
		Time:		REMARKS:		
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Standard	Bacteria (only)
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	(Initials)	#140-0.0	Rush	Cool Intact
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>SR</i>	Thermometer ID #113	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No		Correction Factor: 0.5°C	3 Day	<input type="checkbox"/> Yes <input type="checkbox"/> No

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

Page 42 of 43

Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																									
Project Manager: Kelly Lowery				P.O. #: 03B1417207																																													
Address: 601 N Marienfeld Street, Suite 400				Oxy, USA, Inc.																																													
City: Midland		State: TX		Zip: 79701		Attn: Wade Dittrich																																											
Phone #: 214-733-3165		Fax #:		Address:																																													
Project #: 03B1417207		Project Owner:		City:																																													
Project Name: Lost Tank 25 Tankless CPF				State: Zip:																																													
Project Location: Lea County, New Mexico				Phone #																																													
Sampler Name: Noah Duker/Wally Perez				Fax #:																																													
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																																							
Lab I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		TPH 8015M		BTEX 8021B		Chloride 4500													
4247053																																																	
21		SW29		0-4		C		1						X										X				11/14/24		0856		X		X		X													
22		SW30		0-4		C		1						X										X				11/19/24		0953		X		X		X													
23		SW31		0-4		C		1						X										X				11/14/24		0909		X		X		X													
24		SW32		0-4		C		1						X										X				11/14/24		0906		X		X		X													
25		SW33		0-4		C		1						X										X				11/14/24		0957		X		X		X													
26		SW35		0-4		C		1						X										X				11/14/24		0909		X		X		X													
27		SW37		0-4		C		1						X										X				11/14/24		0911		X		X		X													
28		SW39		0-4		C		1						X										X				11/14/24		0918		X		X		X													
29		SW40		0-4		C		1						X										X				11/14/24		0919		X		X		X													
30		SW41		0-4		C		1						X										X				11/14/24		0916		X		X		X													
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																																	
Relinquished By:				Date: 11/14/24		Received By:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:																																							
[Signature]				Time: 1400		[Signature]				All Results are emailed. Please provide Email address:				klowery@ensolum.com/bjennings@ensolum.com																																			
Relinquished By:				Date:		Received By:				REMARKS:																																							
				Time:																																													
Delivered By: (Circle One)				Observed Temp. °C 1.8:				Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) SK				Turnaround Time: #140 - 0.4				Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>				Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Observed Temp. °C																					
Sampler - UPS - Bus - Other:				Corrected Temp. °C 1.2:												Thermometer ID #113				3 Day				Corrected Temp. °C																									

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Released to Imaging: 5/30/2025 10:37:11 AM





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By:		Date:	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
<i>[Signature]</i>		Time:	<i>[Signature]</i>		All Results are emailed. Please provide Email address:			
Relinquished By:		Date:	Received By:		klowery@ensulum.com/bjennings@ensulum.com			
		Time:			REMARKS: <i>*sample #37 added per customer. skodkigney 11-19-24</i>			
Delivered By: (Circle One)		Observed Temp. °C	Sample Condition		CHECKED BY:		Turnaround Time:	Bacteria (only)
Sampler - UPS - Bus - Other:		Corrected Temp. °C	Cool Intact		(Initials)		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 3 Day	Cool Intact
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>[Signature]</i>		Thermometer ID #113	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Correction Factor -0.5°C	Observed Temp. °C
								Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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

---

December 10, 2024

KELLY LOWERY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: LOST TANK 25 TANKLESS CPF

Enclosed are the results of analyses for samples received by the laboratory on 12/04/24 8:48.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	12/04/2024	Sampling Date:	12/03/2024
Reported:	12/10/2024	Sampling Type:	Soil
Project Name:	LOST TANK 25 TANKLESS CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417207	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY,NM		

**Sample ID: FS01 4' (H247367-01)**

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	12/05/2024	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.73	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.92	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.10	102	6.00	2.66	
Total BTX	<0.300	0.300	12/05/2024	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	64.0	16.0	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS02 4' (H247367-02)**

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	12/05/2024	ND	2.05	103	2.00	2.48		
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.73		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.92		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.10	102	6.00	2.66		
Total BTEX	<0.300	0.300	12/05/2024	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	16.0	16.0	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS03 4' (H247367-03)**

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	12/05/2024	ND	2.05	103	2.00	2.48		
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.73		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.92		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.10	102	6.00	2.66		
Total BTEX	<0.300	0.300	12/05/2024	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	32.0	16.0	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS04 4' (H247367-04)**

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	12/05/2024	ND	2.05	103	2.00	2.48		
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.73		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.92		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.10	102	6.00	2.66		
Total BTEx	<0.300	0.300	12/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	448	16.0	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 109 % 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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS05 4' (H247367-05)**

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	12/05/2024	ND	2.05	103	2.00	2.48		
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.73		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.92		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.10	102	6.00	2.66		
Total BTEX	<0.300	0.300	12/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	208	16.0	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 114 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS06 4' (H247367-06)**

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	12/05/2024	ND	2.05	103	2.00	2.48		
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.73		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.92		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.10	102	6.00	2.66		
Total BTEX	<0.300	0.300	12/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	144	16.0	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS07 4' (H247367-07)**

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	12/04/2024	ND	2.01	101	2.00	1.60	
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40	QM-07
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25	QM-07
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS08 4' (H247367-08)**

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	12/04/2024	ND	2.01	101	2.00	1.60	
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25	
Total BTEX	<0.300	0.300	12/04/2024	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	608	16.0	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS09 4' (H247367-09)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	48.0	16.0	12/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS10 4' (H247367-10)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS11 4' (H247367-11)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	256	16.0	12/06/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS12 4' (H247367-12)**

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	12/04/2024	ND	2.01	101	2.00	1.60	
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25	
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/06/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	218	109	200	0.628	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	223	111	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS13 4' (H247367-13)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	192	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 113 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS14 4' (H247367-14)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	416	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS15 4' (H247367-15)**

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	12/04/2024	ND	2.01	101	2.00	1.60	
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25	
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	272	16.0	12/06/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS16 4' (H247367-16)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	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	560	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS17 4' (H247367-17)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	64.0	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS18 4' (H247367-18)**

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	12/04/2024	ND	2.01	101	2.00	1.60	
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25	
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	48.0	16.0	12/06/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS19 4' (H247367-19)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	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	208	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS20 4' (H247367-20)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	64.0	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	12/04/2024	Sampling Date:	12/03/2024
Reported:	12/10/2024	Sampling Type:	Soil
Project Name:	LOST TANK 25 TANKLESS CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417207	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY,NM		

**Sample ID: FS21 4' (H247367-21)**

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	12/04/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/04/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	176	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS22 4' (H247367-22)**

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	12/05/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/05/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/06/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS23 4' (H247367-23)**

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	12/05/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/05/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.15	103	6.00	1.25		
Total BTEx	<0.300	0.300	12/05/2024	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	16.0	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS24 4' (H247367-24)**

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	12/05/2024	ND	2.01	101	2.00	1.60	
Toluene*	<0.050	0.050	12/05/2024	ND	1.99	99.3	2.00	0.583	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.05	103	2.00	1.40	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.15	103	6.00	1.25	
Total BTEX	<0.300	0.300	12/05/2024	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	96.0	16.0	12/06/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS25 4' (H247367-25)**

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	12/05/2024	ND	2.01	101	2.00	1.60		
Toluene*	<0.050	0.050	12/05/2024	ND	1.99	99.3	2.00	0.583		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.05	103	2.00	1.40		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.15	103	6.00	1.25		
Total BTEX	<0.300	0.300	12/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS26 4' (H247367-26)**

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	12/05/2024	ND	2.01	101	2.00	1.60	
Toluene*	<0.050	0.050	12/05/2024	ND	1.99	99.3	2.00	0.583	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.05	103	2.00	1.40	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.15	103	6.00	1.25	
Total BTEx	<0.300	0.300	12/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	3280	16.0	12/06/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS27 4' (H247367-27)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	1410	16.0	12/06/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	12/04/2024	Sampling Date:	12/03/2024
Reported:	12/10/2024	Sampling Type:	Soil
Project Name:	LOST TANK 25 TANKLESS CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417207	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY,NM		

**Sample ID: FS28 4' (H247367-28)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS29 4' (H247367-29)**

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	12/04/2024	ND	2.01	101	2.00	11.3	
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31	
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	12/06/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 121 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS30 4' (H247367-30)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTX	<0.300	0.300	12/04/2024	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	32.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 112 % 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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS31 4' (H247367-31)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 118 % 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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS32 4' (H247367-32)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/04/2024	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	<16.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	226	113	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	227	113	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 116 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS33 4' (H247367-33)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/04/2024	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	48.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 108 % 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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	12/04/2024	Sampling Date:	12/03/2024
Reported:	12/10/2024	Sampling Type:	Soil
Project Name:	LOST TANK 25 TANKLESS CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417207	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY,NM		

**Sample ID: FS34 4' (H247367-34)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	16.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS35 4' (H247367-35)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS36 4' (H247367-36)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 102 % 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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS37 4' (H247367-37)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS38 4' (H247367-38)**

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	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEx	<0.300	0.300	12/04/2024	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	<16.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS39 4' (H247367-39)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	<16.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS40 4' (H247367-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.40	107	6.00	1.31		
Total BTEx	<0.300	0.300	12/04/2024	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	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 03 0-4' (H247367-41)**

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	12/05/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/05/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.40	107	6.00	1.31		
Total BTEx	<0.300	0.300	12/05/2024	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	272	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	12/04/2024	Sampling Date:	12/03/2024
Reported:	12/10/2024	Sampling Type:	Soil
Project Name:	LOST TANK 25 TANKLESS CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417207	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY,NM		

**Sample ID: SW 04 0-4' (H247367-42)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.01	101	2.00	11.3	
Toluene*	<0.050	0.050	12/05/2024	ND	2.01	100	2.00	5.62	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.15	107	2.00	2.79	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.40	107	6.00	1.31	
Total BTEX	<0.300	0.300	12/05/2024	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	32.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 05 0-4' (H247367-43)**

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	12/05/2024	ND	2.01	101	2.00	11.3		
Toluene*	<0.050	0.050	12/05/2024	ND	2.01	100	2.00	5.62		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.15	107	2.00	2.79		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.40	107	6.00	1.31		
Total BTEX	<0.300	0.300	12/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 06 0-4' (H247367-44)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.01	101	2.00	11.3	
Toluene*	<0.050	0.050	12/05/2024	ND	2.01	100	2.00	5.62	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.15	107	2.00	2.79	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.40	107	6.00	1.31	
Total BTEx	<0.300	0.300	12/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	96.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received: 12/04/2024  
 Reported: 12/10/2024  
 Project Name: LOST TANK 25 TANKLESS CPF  
 Project Number: 03B1417207  
 Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 07 0-4' (H247367-45)**

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	12/05/2024	ND	2.01	101	2.00	11.3	
Toluene*	<0.050	0.050	12/05/2024	ND	2.01	100	2.00	5.62	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.15	107	2.00	2.79	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.40	107	6.00	1.31	
Total BTEx	<0.300	0.300	12/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	<16.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 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  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 09 0-4' (H247367-46)**

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	12/05/2024	ND	2.01	101	2.00	11.3	
Toluene*	<0.050	0.050	12/05/2024	ND	2.01	100	2.00	5.62	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.15	107	2.00	2.79	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.40	107	6.00	1.31	
Total BTX	<0.300	0.300	12/05/2024	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	<16.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 17 0-4' (H247367-47)**

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	12/04/2024	ND	2.20	110	2.00	0.106	
Toluene*	<0.050	0.050	12/04/2024	ND	2.28	114	2.00	0.470	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.23	112	2.00	0.491	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.97	116	6.00	0.215	
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	12/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 34 0-4' (H247367-48)**

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	12/04/2024	ND	2.20	110	2.00	0.106		
Toluene*	<0.050	0.050	12/04/2024	ND	2.28	114	2.00	0.470		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.23	112	2.00	0.491		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.97	116	6.00	0.215		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	16.0	16.0	12/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/05/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/05/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 35 0-4' (H247367-49)**

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	12/05/2024	ND	2.26	113	2.00	0.742		
Toluene*	<0.050	0.050	12/05/2024	ND	2.28	114	2.00	0.840		
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.22	111	2.00	1.17		
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.90	115	6.00	0.899		
Total BTEx	<0.300	0.300	12/05/2024	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	80.0	16.0	12/05/2024	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	12/05/2024	ND	207	104	200	2.55	
DRO >C10-C28*	<10.0	10.0	12/05/2024	ND	197	98.4	200	0.132	
EXT DRO >C28-C36	<10.0	10.0	12/05/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 36 0-4' (H247367-50)**

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	12/04/2024	ND	2.20	110	2.00	0.106	
Toluene*	<0.050	0.050	12/04/2024	ND	2.28	114	2.00	0.470	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.23	112	2.00	0.491	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.97	116	6.00	0.215	
Total BTX	<0.300	0.300	12/04/2024	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	32.0	16.0	12/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/05/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/05/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
KELLY LOWERY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/04/2024  
Reported: 12/10/2024  
Project Name: LOST TANK 25 TANKLESS CPF  
Project Number: 03B1417207  
Project Location: OXY - LEA COUNTY,NM

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 38 0-4' (H247367-51)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.20	110	2.00	0.106		
Toluene*	<0.050	0.050	12/04/2024	ND	2.28	114	2.00	0.470		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.23	112	2.00	0.491		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.97	116	6.00	0.215		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	112	16.0	12/06/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2024	ND	206	103	200	4.58	
DRO >C10-C28*	<10.0	10.0	12/05/2024	ND	211	106	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/05/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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### Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
Project Manager: Kelly Lowery				P.O. #: 03B1417207																	
Address: 601 N Marienfeld Street, Suite 400				Oxy, USA, Inc.																	
City: Midland		State: TX		Zip: 79701		Attn: Wade Dittrich															
Phone #: 214-733-3165		Fax #:		Address:																	
Project #: 03B1417207		Project Owner:		City:																	
Project Name: Lost Tank 25 Tankless CPF				State: Zip:																	
Project Location: Lea County, New Mexico				Phone #:																	
Sampler Name: Noah Duker <i>Wally Perez</i> <i>Nicolas Chwstakos</i>				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	Depth (feet)	GRAB OR (COMP. # CONTAINERS)	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015M	BTEX 8021B	Chloride 4500				
124-7347																					
1	F901	4	1			X				X			12/3/24	1010	X	X	X				
2	F902	4	1			X				X			12/3/24	1012	X	X	X				
3	F903	4	1			X				X			12/3/24	1013	X	X	X				
4	F904	4	1			X				X			12/3/24	1019	X	X	X				
5	F905	4	1			X				X			12/3/24	1017	X	X	X				
6	F906	4	1			X				X			12/3/24	1018	X	X	X				
7	F907	4	1			X				X			12/3/24	1023	X	X	X				
8	F908	4	1			X				X			12/3/24	1023	X	X	X				
9	F909	4	1			X				X			12/3/24	1022	X	X	X				
10	F910	4	1			X				X			12/3/24	1028	X	X	X				

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Relinquished By:	Date: 12-4-24	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
<i>Michael Keene</i>	Time: 8:48	<i>Adrian</i>	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	klowery@ensolum.com/bjennings@ensolum.com
	Time:		REMARKS:
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition
			Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
		CHECKED BY: (Initials) <i>AD</i>	Observed Temp. °C
		Thermometer ID #443 <i>1140</i>	Corrected Temp. °C
		Correction Factor <i>0.5°C - 0.6°C</i>	

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

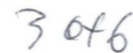
Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Kelly Lowery				P.O. #: 03B1417207															
Address: 601 N Marienfeld Street, Suite 400				Oxy, USA, Inc.															
City: Midland State: TX Zip: 79701				Attn: Wade Dittrich															
Phone #: 214-733-3165 Fax #:				Address:															
Project #: 03B1417207 Project Owner:				City:															
Project Name: Lost Tank 25 Tankless CPF				State: Zip:															
Project Location: Lea County, New Mexico				Phone #															
Sampler Name: Noah Duker <i>Wally Perez</i> <i>NICOLAS CHWSTAKOS</i>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Depth (feet)	GRAB OR (COMP.) # CONTAINERS	MATRIX	PRESERV.	SAMPLING		TPH 8015M	BTEX 8021B	Chloride 4500									
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME												
<i>11</i>	<i>FS11</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1026</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>12</i>	<i>FS12</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1025</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>13</i>	<i>FS13</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1031</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>14</i>	<i>FS14</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1030</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>15</i>	<i>FS15</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1029</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>16</i>	<i>FS16</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1035</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>17</i>	<i>FS17</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1036</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>18</i>	<i>FS18</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1033</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>19</i>	<i>FS19</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1038</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>20</i>	<i>FS20</i>	<i>FF</i>	<i>C</i>			<i>12/3/24</i>	<i>1039</i>	<i>X</i>	<i>X</i>	<i>X</i>									

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Relinquished By: <i>Molly Bueh</i>		Date: <i>12-4-24</i>	Received By: <i>apenas</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <i>8:48</i>			Time:		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		klowery@ensolum.com/bjennings@ensolum.com	
Time:			Time:		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C: <i>0.4</i>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: <i>12-4-24</i>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:		Corrected Temp. °C: <i>0.2</i>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>AP</i>	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> 3 Day	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
					Thermometer ID: <i>#113</i>	Observed Temp. °C
					Correction Factor: <i>-0.5°C-0.4</i>	Corrected Temp. °C

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





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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 58 of 59

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST																											
Project Manager: Kelly Lowery				P.O. #: 03B1417207																															
Address: 601 N Marienfeld Street, Suite 400				Oxy, USA, Inc.																															
City: Midland		State: TX		Zip: 79701		Attn: Wade Dittrich																													
Phone #: 214-733-3165		Fax #:		Address:																															
Project #: 03B1417207		Project Owner:		City:																															
Project Name: Lost Tank 25 Tankless CPF				State: Zip:																															
Project Location: Lea County, New Mexico				Phone #																															
Sampler Name: Noah Duker				Fax #:																															
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																									
Lab I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP. # CONTAINERS		GROUNDWATER		WASTEWATER														SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL	
4247367		5603		0-4		1						X										X		12/3/24		1330		X		X		X			
41		5604		0-4		1						X										X		12/3/24		1333		X		X		X			
42		5605		0-4		1						X										X		12/3/24		1200		X		X		X			
43		5606		0-4		1						X										X		12/3/24		1225		X		X		X			
44		5607		0-4		1						X										X		12/3/24		1230		X		X		X			
45		5608		0-4		1						X										X		12/3/24		1116		X		X		X			
46		5609		0-4		1						X										X		12/3/24		1118		X		X		X			
47		5617		0-4		1						X										X		12/3/24		1413		X		X		X			
48		5634		0-4		1						X										X		12/3/24		1240		X		X		X			
49		5635		0-4		1						X										X		12/3/24		1245		X		X		X			
50		5636		0-4		1						X										X		12/3/24		1245		X		X		X			
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Relinquished By: [Signature]				Date: 12-4-24		Received By: [Signature]				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: klowery@ensolum.com/bjennings@ensolum.com																									
Relinquished By:				Date:		Received By:				REMARKS:																									
				Time: 848																															
Delivered By: (Circle One)				Observed Temp. °C		Sample Condition				CHECKED BY: (Initials)				Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>				Bacteria (only) Sample Condition																	
Sampler - UPS - Bus - Other:				Corrected Temp. °C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				Thermometer ID #443				Correction Factor -0.5°C				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No																	

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Kelly Lowery				P.O. #: 03B1417207															
Address: 601 N Marienfeld Street, Suite 400				Oxy, USA, Inc.															
City: Midland		State: TX		Zip: 79701		Attn: Wade Dittrich													
Phone #: 214-733-3165		Fax #:		Address:															
Project #: 03B1417207		Project Owner:		City:															
Project Name: Lost Tank 25 Tankless CPF				State: Zip:															
Project Location: Lea County, New Mexico				Phone #															
Sampler Name: Noah Duker <i>Wade Dittrich</i>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING		TPH 8015M	BTEX 8021B	Chloride 4500						
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: <input checked="" type="checkbox"/>	ICE / COOL <input checked="" type="checkbox"/>	OTHER :	DATE	TIME				
<i>H247347</i>	<i>SL38</i>	<i>0-4</i>	<i>C</i>	<i>1</i>			<i>X</i>							<i>12/3/24</i>	<i>1250</i>	<i>X X X</i>			
<i>NFE NRD 12/3/24</i>																			

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Relinquished By: <i>[Signature]</i>		Date: <i>12-4-24</i>	Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <i>848</i>		Time:		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		klowery@ensolum.com/bjennings@ensolum.com	
Time:		Time:		REMARKS:		
Delivered By: (Circle One)		Observed Temp. °C	Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		<i>0.4-0</i>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<i>AD</i>	
		Corrected Temp. °C	<i>-0.22</i>		Turnaround Time: <i>Standard</i> <input type="checkbox"/> <i>Rush</i> <input checked="" type="checkbox"/>	
					Thermometer ID <i>#1137100</i>	
					Correction Factor <i>-0.5°C -0.0</i> 3 Day	
					Bacteria (only) Sample Condition	
					Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
					Observed Temp. °C	
					Corrected Temp. °C	

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



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---

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM, LLC  
 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	
<b>Toluene*</b>	<b>0.060</b>	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

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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

---

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



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 432130

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 432130
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2417751874
Incident Name	NAPP2417751874 LOST TANK 25 TANKLESS CPF @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	LOST TANK 25 TANKLESS CPF
Date Release Discovered	06/21/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 50 BBL   Recovered: 0 BBL   Lost: 50 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 432130

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 432130
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/14/2025
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QUESTIONS, Page 3

Action 432130

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 432130
	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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (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	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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)	3280
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	11/19/2024
On what date will (or did) the final sampling or liner inspection occur	12/03/2024
On what date will (or was) the remediation complete(d)	12/03/2024
What is the estimated surface area (in square feet) that will be reclaimed	15508
What is the estimated volume (in cubic yards) that will be reclaimed	2298
What is the estimated surface area (in square feet) that will be remediated	15508
What is the estimated volume (in cubic yards) that will be remediated	2298

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 432130

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 432130
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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: <a href="mailto:wade_dittrich@oxy.com">wade_dittrich@oxy.com</a> Date: 02/14/2025
<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 432130

QUESTIONS (continued)

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  432130
	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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Action 432130

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 432130
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	406567
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/03/2024
What was the (estimated) number of samples that were to be gathered	50
What was the sampling surface area in square feet	18000

**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	15508
What was the total volume (cubic yards) remediated	2298
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	15508
What was the total volume (in cubic yards) reclaimed	2298
Summarize any additional remediation activities not included by answers (above)	NA

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/14/2025
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Action 432130

QUESTIONS (continued)

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	Action Number:  432130
	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 432130

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 432130
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	5/30/2025