

CLOSURE REPORT

Property:

NIMITZ MDP1 13 1 Federal Com #311H

Unit D, S24, T24S, R30E 32.209823° N, 103.838935° W Eddy County, New Mexico NMOCD Incident ID: nAPP2400330251

June 20, 2024 Ensolum Project No. 03B1417138

Prepared for:

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

Attn: Wade Dittrich

Prepared by:

Kelly Lowery Project Geologist

Beaux Jennings Associate Principal



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CLOSURE REPORT

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Unit D, S24, T24S, R30E 32.209823° N, 103.838935° W Eddy County, New Mexico NMOCD Incident ID: nAPP2400330251

Ensolum Project No. 03B1417138

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	OXY USA, Inc. (Oxy)
Site Name:	NIMITZ MDP1 13 1 Federal Com #311H
Location*:	Unit D, Section 24, Township 24 South, Range 30 East 32.209823° N, 103.838935° W Eddy County, New Mexico
Property:	Federal land managed by the Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

^{* -} Public Land Survey System (PLSS) Location and Global Positioning System (GPS) coordinates updated to reflect accurate release location pursuant to submission of the New Mexico EMNRD OCD online Notification of Release (NOR).

On December 31, 2023, Oxy had a release of crude oil and produced water at the Site due to a flow line rupture. The flow line was isolated, depressurized, locked, and tagged out. Approximately 50 barrels (bbls) of crude oil and 10 bbls of produced water released onto the ground surface, with approximately 20 bbls of crude oil and 5 bbls of produced water recovered. Oxy reported the release to the New Mexico EMNRD OCD online portal NOR form on January 3, 2024. The release was assigned Incident Number nAPP2400330251.

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. However, there is one well record reported within 0.62-miles of the Site (C-04575-POD1) that was installed in 2022 to a depth of 105 feet below ground surface (bgs) as a temporary well, with no groundwater encountered.
 - On January 22, 2024, Ensolum, on behalf of Oxy, requested a depth to water (DTW) Closure Criteria Variance Request to utilize the OSE WRRS well C-04575-POD1. Due to the regional depth to groundwater being greater than 100 feet bgs and the Site being in a low karst potential area, the Closure Criteria Variance Request to reflect groundwater >100 feet as shown in Table 1 of 19.15.29.12 NMAC for any off-pad remediation of soils greater than 4 feet bgs was granted by the New Mexico EMNRD OCD on January 23, 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 from 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 there are no freshwater wells identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to 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 not located within an unstable area, also referred to as high karst potential.
- The Site is not located within a 100-year floodplain.

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

CI	osure Criteria for Soils L	ess Than 4 ft bgs Impacted	d by a Release
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	EPA 300.0 or SM4500 CI 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 December 31, 2023, Oxy had a release of crude oil and produced water at the Site due to a flow line rupture. The flow line was isolated, depressurized, locked, and tagged out. Approximately 50 bbls of crude oil and 10 bbls of produced water released onto the ground surface, with approximately 20 bbls of crude oil and 5 bbls of produced water recovered.

On March 1, 2024, Ensolum arrived on-Site to collect 64 composite soil samples from the excavation floor (FS-1 through FS-64) and six composite soil samples from the excavation sidewalls (SW-1 through SW-6). Additionally, Ensolum collected 10 delineation soil samples (DS-1 through DS-10) from locations outside the perimeter of the excavation. The excavation floor samples were collected at a depth of 1.5 feet bgs, the excavation sidewall samples were collected at a depth of 0-1.5 feet bgs, and the delineation samples were collected at a depth of 0.25 feet bgs. Based on laboratory analytical data, additional excavation and/or remediation was necessary.

On April 5, 2024, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect 32 composite soil re-samples from the excavation floor (FS-2, FS-13, FS-15, FS-16, FS-18, FS-19, FS-24 through FS-32, FS-34 through FS-43, FS-47 through FS-52, and FS-54) at depths ranging from 2 to 3 feet bgs. In addition, Ensolum collected two delineation soil samples (DS-7 and DS-10) from locations outside the perimeter of the excavation, at a depth of 0.5 feet bgs. Based on laboratory analytical data, additional excavation and/or remediation was necessary.

On May 9 and 10, 2024, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect 23 composite soil re-samples from the excavation floor (FS-13, FS-18, FS-19, FS-24 through FS-29, FS-34 through FS-42, FS-47, FS-50, FS-51, FS-52, and FS-54) at depths ranging from 4 to 6 feet bgs, and seven composite soil samples from the excavation sidewalls (SW-7 through SW-13) at depths of 0-4 feet bgs. Based on laboratory analytical data, no additional excavation activities or remediation activities were necessary.

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

The final excavation area measured approximately 289 feet long and 113 feet wide at the maximum extents, with a depth ranging from 1.5 - 6 feet bgs.

The excavation measured approximately 25,752 square feet in areal extent. A total of 2,643 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 secured with fencing. Backfill of excavation was completed utilizing material purchased locally and recontoured to match pre-existing conditions. A BLM-approved seed mixture was sown into the surface area of the backfill for re-vegetation.

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 release (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from March 1, 2024 through May 10, 2024 included the collection of a total of 119 composite soil samples from 64 locations from the excavation floor (FS-1 through FS-64), 13 composite soil samples from 13 locations from the excavation sidewalls (SW-1 through SW-13), and 12 delineation soil samples from 10 locations outside of the release area and the pipeline repair over excavation extent (DS-1 through DS-10) for laboratory analysis.

The soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. 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 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** 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 final composite excavation soil samples (FS-1 through FS-64 and SW-1 through SW-13) and the final delineation soil samples (DS-1 through DS-10) for soils left in place at the Site to the NMOCD Closure Criteria.

- Laboratory analytical results indicate benzene concentrations for the final composite soil samples collected from the excavation area and the final delineation samples do not exceed the laboratory SDLs, which are below the NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicated that total BTEX concentrations for the final composite soil samples collected from the excavation area and the final delineation samples do not exceed the laboratory SDLs, which are below the NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicated combined TPH-GRO/DRO/MRO concentrations for the final composite soil samples collected from the excavation area and the final delineation soil samples do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg.
- Laboratory analytical results indicated chloride concentrations for the final composite soil samples collected from the excavation area and the final delineation soil samples do not exceed the applicable NMOCD Closure Criteria of 600 mg/kg.

Laboratory analytical results are summarized in Table 1 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: Soil in the vicinity of the release include: predominately gravelly fine sandy loam;

 The backfilled areas were seeded utilizing a weed-free seed mix designed by the BLM to meet reclamation standards for this region, which was: Pecos District BLM Seed Mix for Shallow Sand and Sandy, SD-3 Ecological Site;

- The seed mixture was 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 was 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 was more applicable;
- Erosion control management will potentially include:
 - o The placement of waddles 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 utilized locally purchased material and recontoured to pre-existing conditions;
- Seeding was completed during the month of June 2024, during the month(s) when temperatures
 and precipitation is/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 as any needed BMPs will be installed to support growth and limit
 erosion.

8.0 FINDINGS AND RECOMMENDATION

- On December 31, 2023, Oxy had a release of crude oil and produced water at the Site due to a
 flow line rupture. The flow line was isolated, depressurized, locked, and tagged out. Approximately
 50 bbls of crude oil and 10 bbls of produced water released onto the ground surface, with
 approximately 20 bbls of crude oil and 5 bbls of produced water recovered.
- Ensolum's soil sampling program from March 1, 2024 through May 10, 2024 included the collection of a total of 119 composite soil samples from 64 soil sample locations from the excavation floor (FS-1 through FS-64), 13 sidewall soil samples from 13 soil sample locations (SW-1 through SW-13), and 12 delineation soil samples from 10 locations outside of the excavation area (DS-1 through DS-10) for laboratory analysis. The composite floor samples were collected at depths ranging from 1.5 to 6 feet bgs and the sidewall samples were collected at a depths ranging from 0-4 feet bgs. Additionally, the delineation samples were collected outside of the excavation area at a depths ranging from 0.25 to 0.5 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 113 feet wide and 289 feet long at the maximum extents, with depths ranging from 1.5 to 6 feet bgs.
- Based on laboratory analytical results, the final composite soil samples collected from the excavation floor and sidewalls, and the final delineation samples outside of the impacted area did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.
- Once the areas were brought back to original grade, a BLM-approved seed mixture was 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.

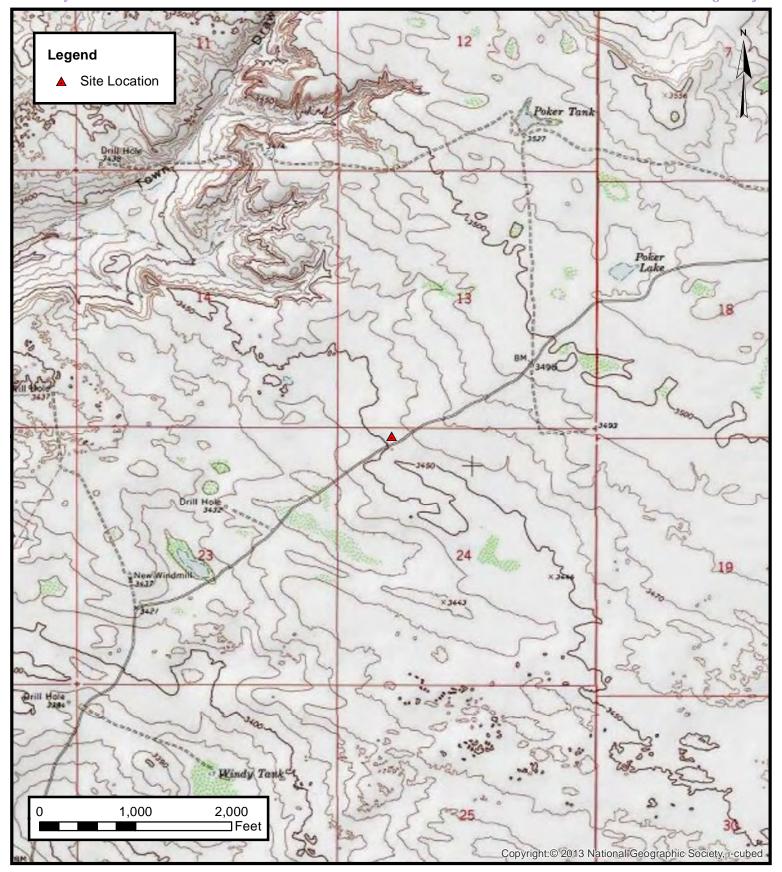
9.3 Reliance

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 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





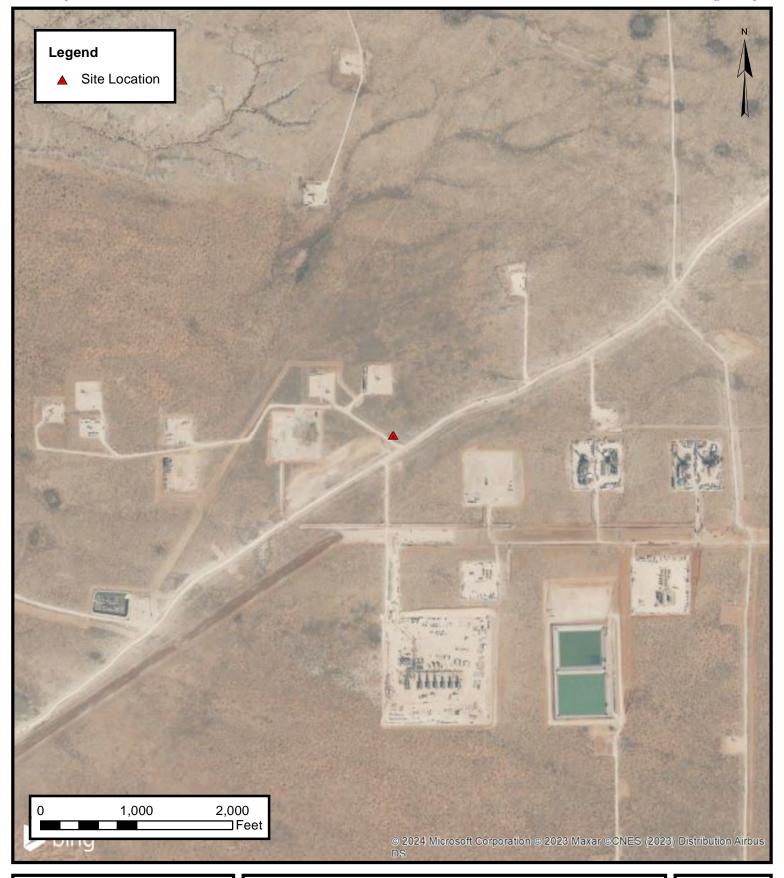
Topographic MapOxy USA Inc.

NIMITZ MDP1 13 1 Federal Com. #311H 32.209823° N, 103.838935° W Eddy County, New Mexico

PROJECT NUMBER: 03B1417138

FIGURE 1

Released to Imaging: 6/27/2024 2:43:04 PM





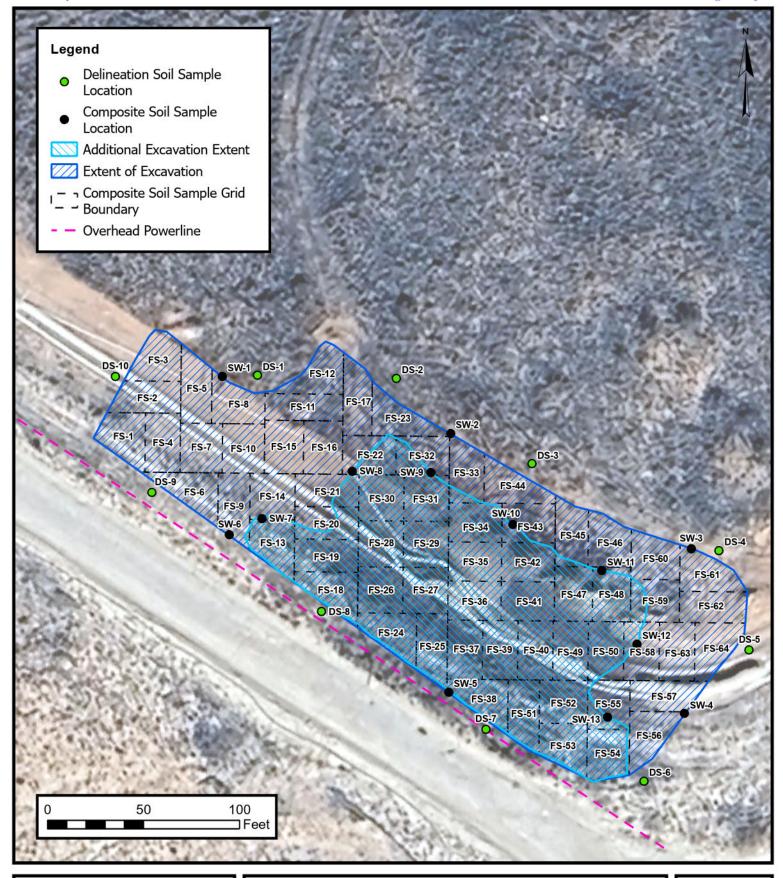
Site Vicinity Map Oxy USA Inc.

Oxy USA Inc.

NIMITZ MDP1 13 1 Federal Com. #311H
32.209823° N, 103.838935° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417138

FIGURE 2





Site Map

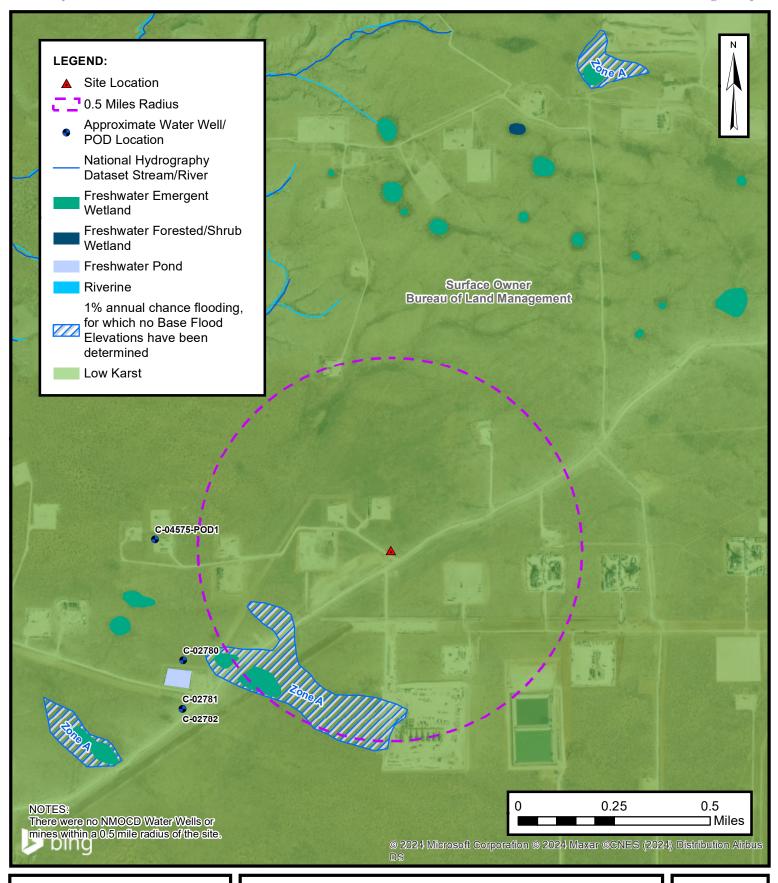
Oxy USA Inc.

NIMITZ MDP1 13 1 Federal Com. #311H
32.209823° N, 103.838935° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417138

FIGURE 3

Released to Imaging: 6/27/2024 2:43:04 PM





Closure Criteria Map

Oxy USA Inc.

NIMITZ MDP1 13 1 Federal Com. #311H
32.209823° N, 103.838935° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417138

FIGURE 4



APPENDIX B

Supporting Documentation

Beaux Jennings

From: Dittrich, John W <Wade_Dittrich@oxy.com>

Sent: Sunday, December 31, 2023 9:58 PM

To: OCD.Enviro@emnrd.nm.gov; BLM_NM_CFO_Spill@blm.gov
Cc: Beaux Jennings; Pierce, Tyson (The Bergaila Company)
Subject: Initial Notification-Nimitz MDPI 13 1 Fed. Com 311H

[**EXTERNAL EMAIL**]

All,

This is to inform you that Oxy Permian had a **Reportable** release in **Eddy County** at the <u>Nimitz MDPI 13 1 Fed. Com 311H</u> on 12/31/2023.

- ➤ Release Location: Legal -13-24S-30E-
- **Release Volume**: 50 bbls of Oil and 10 bbls of Produced Water.
- > Recovered: 20 bbls of Oil recovered and 5 bbls of PW recovered
- > Cause of Release: Flow Line rupture
- > Approximate Area impacted by release: TBD-Leak is off location (measurements are subject to change with GPS tracking)
- ➤ **GPS Coordinates of Leak and Driving Directions: 32.22412370**, -**103.81259865-** Int. of Hwy 128 and Twin Wells Rd., go South on TWR for 5.2 miles, turn Right and go 450ft to leak on Right side of road.
- > Please let me know if you have any questions.

Kelly Lowery

From: Hamlet, Robert, EMNRD < Robert.Hamlet@emnrd.nm.gov>

Sent: Tuesday, January 23, 2024 8:50 AM

To: Kelly Lowery

Cc: Bratcher, Michael, EMNRD; Beaux Jennings; Dittrich, John W; Pierce, Tyson (Legacy Safety &

Consulting LLC)

Subject: RE: [EXTERNAL] NIMITZ MDP1 13 1 Federal Com. #171H (Incident ID: nAPP2336151910) and NIMITZ

MDP1 13 1 Federal Com. #311H (Incident ID: nAPP2400330251) - Closure Criteria Variance Request

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[**EXTERNAL EMAIL**]

Kelly,

The Variance Request for depth to groundwater of >100' is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Monday, January 22, 2024 10:06 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> **Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] NIMITZ MDP1 13 1 Federal Com. #171H (Incident ID: nAPP2336151910) and NIMITZ MDP1 13

1 Federal Com. #311H (Incident ID: nAPP2400330251) - Closure Criteria Variance Request

From: Kelly Lowery < klowery@ensolum.com>

Sent: Monday, January 22, 2024 9:07 AM

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

Cc: Beaux Jennings

bjennings@ensolum.com>; Dittrich, John W <Wade Dittrich@oxy.com>; Pierce, Tyson (Legacy

Safety & Consulting LLC) < tyson_pierce@oxy.com>

Subject: [EXTERNAL] NIMITZ MDP1 13 1 Federal Com. #171H (Incident ID: nAPP2336151910) and NIMITZ MDP1 13 1

Federal Com. #311H (Incident ID: nAPP2400330251) - Closure Criteria Variance Request

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 Closure Criteria Variance for the NIMITZ MDP1 13 1 Federal Com. #171H (Incident ID: nAPP2336151910) and for the NIMITZ MDP1 13 1 Federal Com. #311H (Incident ID: nAPP2400330251), which are roughly 0.15 miles apart from each other.

NIMITZ MDP1 13 1 Federal Com. #171H (Incident ID: nAPP2336151910)

• A flow line rupture resulted in the release of 12 barrels of oil and 41 barrels of produced water. Oxy immediately recovered 3 barrels of oil and recovered 10 barrels of produced water. The Site will be vertically and laterally delineated per NMAC 19.15.29.

NIMITZ MDP1 13 1 Federal Com. #311H (Incident ID: nAPP2400330251)

• A flow line rupture resulted in the release of 50 barrels of oil and 10 barrels of produced water. Oxy immediately recovered 20 barrels of oil and recovered 5 barrels of produced water. 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 with depth to groundwater data is located 0.62 miles west of each release area and has a recorded total depth of the well at 105 feet bgs with no groundwater encountered from January 2022.

Due to the regional depth to groundwater being greater than 100 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 any off-pad remediation greater than 4 feet bgs.

Please let me know if you have any questions,



Kelly Lowery

From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Sent: Friday, February 16, 2024 3:23 PM

To: Kelly Lowery

Cc: Beaux Jennings; Wade_Dittrich@oxy.com; Tyson_Pierce@oxy.com; Bratcher, Michael,

EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD

Subject: Sampling Variance Request for NIMITZ MDP1 13 1 Federal Com. #311H (Incident ID:

nAPP2400330251)

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[**EXTERNAL EMAIL**]

Kelly,

The largest variance confirmation floor sample size that the OCD can currently grant is 400 ft2. The variance is approved for 400 ft2 floor confirmation samples. The release area will still need confirmation sidewall samples representing no more than 200 ft2. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD < Shelly. Wells@emnrd.nm.gov>

Sent: Friday, February 16, 2024 1:21 PM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> **Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Sampling Variance Request for NIMITZ MDP1 13 1 Federal Com. #311H (Incident ID:

nAPP2400330251)

From: Kelly Lowery < klowery@ensolum.com > Sent: Friday, February 16, 2024 12:30 PM

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

Cc: Beaux Jennings

bjennings@ensolum.com

); Dittrich, John W <

Wade Dittrich@oxy.com

); Pierce, Tyson (Legacy

Safety & Consulting LLC) <tyson pierce@oxy.com>

Subject: [EXTERNAL] Sampling Variance Request for NIMITZ MDP1 13 1 Federal Com. #311H (Incident ID:

nAPP2400330251)

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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). Ensolum requests an alternate of 800 square feet, five-point composite samples collected from the Site. The current excavation extent is approximately 26,236 square feet, which would roughly equal 131 composite samples collected per the 200 square feet sampling requirement. If approved, the 800 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. Previous correspondence and approval from the OCD are attached for the prior variance request regarding a DTW well located approximately 0.62 miles west of the Site documenting the regional depth to groundwater being greater than 100 feet bgs and the site being in low potential karst 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

From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Friday, March 22, 2024 3:27 PM Sent:

To: Kelly Lowery

Cc: Wade_Dittrich@oxy.com; Tyson_Pierce@oxy.com; Beaux Jennings; Bratcher, Michael,

EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD

Subject: NIMITZ MDP1 13 1 Federal Com. #311H (nAPP2400330251)

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[**EXTERNAL EMAIL**]

RE: Incident #NAPP2400330251

Kelly,

Your request for a 90-day extension to June 20th, 2024, is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave. | Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Friday, March 22, 2024 1:49 PM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov> **Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] NIMITZ MDP1 13 1 Federal Com. #311H (nAPP2400330251)

From: Kelly Lowery < klowery@ensolum.com>

Sent: Friday, March 22, 2024 1:35 PM

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

Cc: Dittrich, John W < Wade Dittrich@oxy.com >; Pierce, Tyson (Legacy Safety & Consulting LLC)

<tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>

Subject: [EXTERNAL] NIMITZ MDP1 13 1 Federal Com. #311H (nAPP2400330251)

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

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to request a 90-day extension for the NIMITZ MDP1 13 1 Federal Com. #311H (nAPP2400330251). Excavation activities are currently being conducted at the Site and require more time due to multiple aboveground flowlines within the vicinity of the release hindering the use of mechanical equipment for digging purposes. I have attached a few representative photos of the area. Please let us know if you have any questions.

Thank you,





New Mexico Office of the State Engineer

Water Right Summary

WR File Number: C 04575

Subbasin: CUB

Cross Reference:

Primary Purpose: MON

MONITORING WELL

Primary Status:

PMT PERMIT

Total Acres:

Subfile:

Cause/Case:

Header: -

Total Diversion:

Agent:

XTO ENERGY INC ADRIAN BAKER

Contact:

WSP USA

User: **Contact:**

KALEI JENNINGS

Documents on File

Status

From/

To

Acres

Diversion Consumptive

709414 EXPL 2021-10-06

Transaction Desc. PMT LOG C 04575 POD1

Т

0

0

Current Points of Diversion

(NAD83 UTM in meters)

Well Tag Source

64Q16Q4Sec Tws Rng

X

3564355

Other Location Desc

POD Number C 04575 POD1

1 1 2 23 24S 30E

608412

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/30/24 5:21 PM

WATER RIGHT SUMMARY



0SE 011 JAN 24 2022 MB:00

7	OSE POD NO POD1 (B		O.)			WELL TAG ID N n/a	10.		OSE FII		S).			
IO						II/a								
CAI	WELL OWN	,		trell)					PHONE	E (OPTI	ONAL)			
2	WELL OWN								CITY			STAT	T.	ZIP
GENERAL AND WELL LOCATION	6401 Holid			DDRESS					Midla	nd		TX	79707	ZIP
Q.	WELL			DE	GREES	MINUTES	SECON		T					
VI.	LOCATIO	N L	ATIT	UDE	32	12	38.	03 N			REQUIRED: ONE TEN	TH OF A	A SECOND	
VER	(FROM GE	rs)	ONGI	TUDE	103	50	58.	70 W	* DAT	UM REC	QUIRED: WGS 84			
GE	DESCRIPTION	ON RELAT	ING V	WELL LOCATION TO	STREET ADDI	RESS AND COMM	ON LANDM	ARKS – PI	SS (SECTI	ON, TO	WNSHJIP, RANGE) WH	ERE AV	AILABLE	
-1	NW NE S	ec. 23 T2	24S I	R30E, NMPM										
	LICENSE NO).	1	NAME OF LICENSED	DRILLER						NAME OF WELL DR	ILLING	COMPANY	
	124	19				Jackie D. Atki	ns				Atkins Eng	ineerin	ng Associates,	Inc.
	DRILLING S 1-4-2		I	DRILLING ENDED 1-4-2022		MPLETED WELL rary well mate		BORE H	OLE DEPTI 105	H (FT)	DEPTH WATER FIR		OUNTERED (F	r)
Z	COMPLETE	WELL IS	:	ARTESIAN	✓ DRY HOI	LE SHAL	LOW (UNCO	NFINED)			STATIC WATER LEV		COMPLETED W /a	ELL (FT)
2. DRILLING & CASING INFORMATION	DRILLING F	LUID:		_ AIR	MUD MUD	ADDIT	TIVES – SPEC	CIFY:						
RM	DRILLING M	ETHOD:		ROTARY	П наммен	R CABL	E TOOL	✓ OTH	ER – SPEC	IFY:	Hollo	w Ste	m Auger	
NFO	DEPTH	(feet bgl)		BORE HOLE	CASING	MATERIAL A	ND/OR		CASING		CASING	CAS	SING WALL	SLOT
NGI	FROM	то		DIAM	(include	GRADE each casing strir	ng and		NECTIO	N	INSIDE DIAM.		HICKNESS	SIZE
ISV:				(inches)	note	sections of scree		(add cou	TYPE pling diam	eter)	(inches)		(inches)	(inches)
8	0	105		±8.5		Boring- HSA								
ING			_											
II												_		
DR.							-					-		-
7			-									-		-
			-							_				4
	-		-									-		+
												-		
														1
	DEPTH	(feet bgl)		BORE HOLE	11	ST ANNULAR	SFAI MA	TERIAI	AND		AMOUNT	·	METH	OD OF
V.	FROM	TO	-	DIAM. (inches)		VEL PACK SIZ					(cubic feet)		PLACE	
3. ANNULAR MATERIAL	TROM	10										_		
IAT												\neg		
RN												\neg		
JLA														
N														
3. A														
FOR	OSE INTER	NAL US	E							WR-2	0 WELL RECORD	& LOG	(Version 06.	/30/17)
FILE		-40	51	15		POD	NO.			TRN 1		14		
LOC	ATION	1-1-	-1	24	5-30	E-13			WELL 7	TAG II	D NO.		PAG	E 1 OF 2

					SED	II JAN 24 702	
	DEPTH (f	eet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)		WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING
*				(attach supplemental success to fully describe an units)		(ZONES (gpm)
	0	1	1	Caliche, White, Dry		Y /N	
	1	20	19	Sand, very fine grained, well graded, with caliche, Reddish Brown-Light I	Brown	Y N	
	20	30	20	Caliche, consolidated with silt and some gravel, Off-White, Dry		Y ✓N	
	30	50	20	Sand, very fine grained, well graded, with gravel, Light Brown		Y ✓N	
	50	75	25	Sand, very fine grained, well graded, with gravel, Reddish Brown, slight	moist	Y ✓N	
E	75	105	30	Sand, very fine grained, poorly graded, Reddish Brown, slight moist		Y ✓N	
WE						Y N	
4. HYDROGEOLOGIC LOG OF WELL						Y N	
507						Y N	
IC.						Y N	
TOC						Y N	
GEO					_ "	Y N	
RO						Y N	
HXD						Y N	
4	-					Y N	
						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
	METHOD U	SED TO ES	TIMATE YIELI	OF WATER-BEARING STRATA:	TOTA	AL ESTIMATED	
	PUMP	A	IR LIFT	BAILER OTHER – SPECIFY:	WEL	L YIELD (gpm):	0.00
ION	WELL TEST			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV			
VISI	MISCELLAN	NEOUS IN	FORMATION: T	emporary well materials removed and the soil boring backfilled using	na deill	Louttings from tot	al donth to tan
TEST; RIG SUPERVIS			16	et below ground surface, then hydrated bentonite chips from ten fee ogs adapted from WSP on-site geologist.	et belo	w ground surface	to surface.
ST; I						Section for the section to the section of the secti	
	PRINT NAM	IE(S) OF D	RILL RIG SUPE	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRU	CTION OTHER TH	AN LICENSEE:
v,	Shane Eldric	ige, Came	ron Pruitt, Carm	elo Trevino			
TURE	CORRECT F	RECORD O	F THE ABOVE	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL I 30 DAYS AFTER COMPLETION OF WELL DRILLING:	JEF, TI	HE FOREGOING IS RD WITH THE STA	S A TRUE AND TE ENGINEER
6. SIGNATURE	Jack	Atkin	s	Jackie D. Atkins		1/21/2022	
		SIGNAT	URE OF DRILL	ER / PRINT SIGNEE NAME		DATE	
FO	R OSE INTERI	VAI LICE		Wp_on we	IJ. RF	CORD & LOG (Ver	sion 06/30/2017)
	E NO.	<u>-45</u>	72	POD NO. TRN NO.	า	09410	00,00,2017)
LO	CATION	2-1-	1	245-30E-23 WELL TAG ID NO.			PAGE 2 OF 2

OSE_Well Record and Log_-forsign

Final Audit Report

2022-01-22

Created:

2022-01-21

By:

Lucas Middleton (lucas@atkinseng.com)

Status:

Signed

Transaction ID:

CBJCHBCAABAAHFW29aZiQH1D931B0LxyAz3o1wYi88ri

"OSE_Well Record and Log_-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com) 2022-01-21 - 10:47:34 PM GMT- IP address: 69.21.248.123

OSE OT JAN 24 2022 PX3:00

- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2022-01-21 10:48:19 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2022-01-21 10:49:13 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2022-01-22 0:16:23 AM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2022-01-22 - 0:16:23 AM GMT



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

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

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

Project: NIMITZ MDP1 13 1 Federal Com. #311H





Impacted soil in release footprint, facing west (01/03/2024).



Impacted soil in release footprint, facing east (01/03/2024).

Project: NIMITZ MDP1 13 1 Federal Com. #311H





Excavated release area during remediation activities, facing northeast (05/10/2024).



Excavated release area during remediation activities, facing northwest (05/10/2024).

Project: NIMITZ MDP1 13 1 Federal Com. #311H





Excavated release area during remediation activities, facing southeast (05/10/2024).



Excavated release area during remediation activities, facing southeast (05/10/2024).

Received by OCD: 6/20/2024 2:45:17 PM
Project: NIMITZ MDP1 13 1 Federal Com. #311H





Post backfill and reseeding activities, facing southeast (06/04/2024).



Post backfill and reseeding activities, facing southeast (06/04/2024).

ENSOLUM

APPENDIX D

Table



TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** NIMITZ MDP1 13 1 Federal Com. #311H Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417138

Released to Imaging: 6/27/2024 2:43:04 PM

FS-2 04/05/2024 2 NS	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)
FS-1		eria for Soils Ir Release		10	NE	NE	NE	50	NE	NE	NE	100	600
FS-2 030172024 1.5					Co	mposite Floor	Soil Sample <i>A</i>	Analytical Res	ults				
FS-2	FS-1	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.6	<10.0	12.6	48.0
Page	E 0 0	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	118	26.2	144	64.0
FS-4 03/01/2024 1.5	F3-2	04/05/2024	2			NS			<10.0	40.6	<10.0	40.6	NS
FS-5 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.	FS-3	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-6	FS-4	03/01/2024	1.5	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-7 03/01/2024 1.5 < 0.050	FS-5	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-8 03/01/2024 1.5 < 0.050	FS-6	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-9 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <96.0	FS-7	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.0	<10.0	44.0	32.0
FS-10 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0	FS-8	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS-11 03/01/2024 1.5	FS-9	03/01/2024	1.5	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
FS-12 03/01/2024 1.5 < 0.050	FS-10	03/01/2024	1.5	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	64.0
FS-13	FS-11	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	49.6	<10.0	49.6	336
FS-13	FS-12	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
D5/09/2024		03/01/2024	1.5	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	23.2	<10.0	23.2	1,010
FS-14 03/01/2024 1.5 < 0.050	FS-13	04/05/2024	2			NS					NS		5,920
FS-15		05/09/2024	4			NS					NS		176
FS-15	FS-14	03/01/2024	1.5	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	44.4	<10.0	44.4	112
NS Color		03/01/2024	1.5	<0.050	< 0.050	<0.050	< 0.150	<0.300	<10.0	119	10.7	130	1,120
FS-16	FS-15	04/05/2024	3			NS		L*.*.*.*.*.*.*.*.*.	<10.0	<10.0	<10.0	<10.0	176
NS NS NS NS NS NS NS NS		03/01/2024	1.5	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	66.8	<10.0	66.8	656
FS-18	FS-16	04/05/2024	3			NS		[-:-:-:-:-:-:-:-:-:-:-			NS		272
FS-18	FS-17	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.4	<10.0	19.4	544
05/09/2024 4 NS NS 48.0 FS-19 03/01/2024 1.5 <0.050		03/01/2024	1.5	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	16.7	<10.0	16.7	4,600
FS-19	FS-18	04/05/2024	3			NS					NS		832
FS-19													
05/09/2024 4 NS NS 176 FS-20 03/01/2024 1.5 <0.050		03/01/2024	1.5	< 0.050	< 0.050	<0.050	< 0.150	< 0.300	<10.0	39.7	10.4	50.1	6,400
05/09/2024 4 NS NS 176 FS-20 03/01/2024 1.5 <0.050	FS-19	04/05/2024	3			NS					NS		3,520
FS-20 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050<		05/09/2024	4			NS		*****************	****************	*****************	NS		
FS-21 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050<	FS-20		1.5	< 0.050	< 0.050		<0.150	< 0.300	<10.0	49.7	<10.0	49.7	
FS-22 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 23.5 <10.0 23.5 560 FS-23 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 22.0 <10.0 22.0 512 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 19.9 <10.0 19.9 \$40.0 19.9 \$660 FS-24 04/05/2024 3 NS NS NS NS NS 3,200			_										
FS-23 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 22.0 <10.0 22.0 512 03/01/2024 1.5 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 19.9 <10.0 19.9 8,660 FS-24 04/05/2024 3 NS NS NS NS 3,200													
03/01/2024 1.5 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 19.9 <10.0 19.9 <10.0 19.9 <10.0 19.9 <10.0 3,200 FS-24 04/05/2024 3 NS NS NS 3,200													
FS-24 04/05/2024 3 NS NS NS 3,200			_									_	8,660
	FS-24			0.000	0,000			, ,,,,,,	, , ,			1	
II I USIUSIZUZ4 I 4 I NO I NO I NO I NO	. 521	05/09/2024	4	1+1+1+1+1+1+1+1+1+1+1+1	<u> </u>	NS	<u>+1+1+1+1+1+1+1+1+1+1+1+1</u>	*:-:-::::::::::::::::::::::::::::::::::	<u> </u>	*:-:-:-:-:-:-:-:-:	NS	0.000.000.000.000.000.000.000.0000.0000	160

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS NIMITZ MDP1 13 1 Federal Com. #311H Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417138

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)		
	Oil Conserva eria for Soils I Release (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600		
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	48.4	10.0	58.4	7,920		
FS-25	04/05/2024	3			NS					NS		3,600		
	05/09/2024	4			NS					NS		592		
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	61.1	12.0	73.1	6,880		
FS-26	04/05/2024	3			NS					NS		3,320		
	05/09/2024	4			NS					NS		192		
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	66.5	11.3	77.8	5,200		
FS-27	04/05/2024	3			NS					NS	1,580			
	05/09/2024	4			NS					NS	NS <10.0 42.7			
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.7	<10.0	42.7	1,460		
FS-28	04/05/2024	3			NS					NS		704		
	05/09/2024	4			NS					NS	48.0			
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,470		
FS-29	04/05/2024	3			NS			<10.0	18.1	<10.0	18.1	736		
	05/09/2024	4			NS					NS		16.0		
FS-30	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	111	17.8	129	992		
1 3-30	04/05/2024	3			NS			<10.0	26.2	<10.0	26.2	272		
FS-31	03/01/2024	1.5	<0.050	<0.050	<0.050	0.229	<0.300	31.5	2,250	386	2,668	5,840		
1 3-31	04/05/2024	3			NS			<10.0	16.6	<10.0	16.6	288		
FS-32	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	62.8	17.5	80.3	1,220		
1 0-32	04/05/2024	3			NS					NS		176		
FS-33	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448		
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	445	82.9	528	4,240		
FS-34	04/05/2024	2			NS			<10.0	32.1	<10.0	32.1	928		
	05/09/2024	4			NS					NS		144		
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,520		
FS-35	04/05/2024	3			NS					NS		3,520		
	05/09/2024	4			NS					NS		80.0		
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	134	29.5	164	4,000		
FS-36	04/05/2024	3			NS			<10.0	46.3	14.9	61.2	4,160		
	05/09/2024	5			NS					NS		112		
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	239	47.4	286	3,760		
FS-37	04/05/2024	3			NS			<10.0	68.7	22.8	91.5	5,760		
	05/09/2024	5			NS					NS		96.0		
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7,440		
FS-38	04/05/2024	2			NS					NS		736		
	05/09/2024	5			NS					NS		48.0		

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS NIMITZ MDP1 13 1 Federal Com. #311H Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417138

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)			NE	NE	NE	50	NE	NE	NE	100	600
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,640
FS-39	04/05/2024	3			NS					NS		1,250
	05/09/2024	5			NS					NS		176
	03/01/2024	1.5	<0.050	0.067	<0.050	0.907	0.974	61.8	5,600	1,170	6,832	5,680
FS-40	04/05/2024	3			NS			<10.0	<10.0	<10.0	<10.0	992
	05/09/2024	6			NS					NS		112
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	720
FS-41	04/05/2024	3			NS					NS	1,600	
	05/09/2024	6			NS					NS		96.0
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	106	28.3	137	1,300
FS-42	04/05/2024	3			NS			<10.0	21.1	<10.0	21.1	3,440
	05/09/2024	4			NS					NS		80.0
FS-43	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	60.7	11.3	72.0	3,440
1 0-43	04/05/2024	2			NS					NS		320
FS-44	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-45	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.5	<10.0	56.5	448
FS-46	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.4	<10.0	11.4	256
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,240
FS-47	04/05/2024	3			NS					NS		5,280
	05/09/2024	4			NS					NS		48.0
FS-48	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.7	<10.0	23.7	2,600
1 0-40	04/05/2024	3			NS					NS		112
FS-49	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	62.8	12.4	75.2	1,840
1 0-49	04/05/2024	3			NS					NS		256
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,300
FS-50	04/05/2024	3			NS					NS		4,000
	05/09/2024	6			NS					NS		80.0
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	800
FS-51	04/05/2024	3			NS					NS NS		1,840
	05/09/2024	6			NS						80.0	
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	180	44.4	224	6,160
FS-52	04/05/2024	3			NS			<10.0	25.2	<10.0	25.2	1,920
	05/09/2024	6			NS					NS		64.0
FS-53	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,800
FS-54	04/05/2024	2			NS					NS		2,960
	05/09/2024	4			NS					NS		80.0

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS NIMITZ MDP1 13 1 Federal Com. #311H Oxy USA, Inc. Eddy County, New Mexico

_aay ooa	olum Project No. 03B1417138	
Ensolum Pro	ject No.	03B1417138

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	
FS-55	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-56	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS-57	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-58	03/01/2024	1.5	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS-59	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
FS-60	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-61	03/01/2024	1.5	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-62	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-63	03/01/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
FS-64	03/01/2024	1.5	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112

ENSOLUM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS NIMITZ MDP1 13 1 Federal Com. #311H Oxy USA, Inc.

Eddy County, New Mexico Ensolum Project No. 03B1417138

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)
	Oil Conserva eria for Soils II Release (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
				Con	nposite Sidewal	l Soil Sample	Analytical Re	sults				
SW-1	03/01/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW-2	03/01/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW-3	03/01/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW-4	03/01/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW-5	03/01/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
SW-6	03/01/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW-7	05/10/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
SW-8	05/10/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW-9	05/10/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
SW-10	05/10/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
SW-11	05/10/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	22.1	<10.0	22.1	304
SW-12	05/10/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	192
SW-13	05/10/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
					Delineation Soi	l Sample Ana	lytical Result	s				
DS-1	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
DS-2	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
DS-3	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS-4	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS-5	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
DS-6	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
DC 7	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1,070
DS-7	04/05/2024	0.50			NS					NS		160
DS-8	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
DS-9	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
DS-10	03/01/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	319	41.0	360	112
D3-10	04/05/2024	0.50			NS			<10.0	<10.0	<10.0	<10.0	NS

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 NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics
DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



March 07, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NIMITZ MDP 13 1 FED COM #311H

Enclosed are the results of analyses for samples received by the laboratory on 03/01/24 15:37.

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

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 1 1.5' (H241048-01)

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	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	12.6	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 2 1.5' (H241048-02)

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	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500CI-B	Chloride, SM4500Cl-B mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	118	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	26.2	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 3 1.5' (H241048-03)

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	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

mg/kg

Sample ID: FS - 4 1.5' (H241048-04)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

mg/kg

Sample ID: FS - 5 1.5' (H241048-05)

BTEX 8021B

DIEX GOZID	11197	ng .	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 6 1.5' (H241048-06)

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	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	80.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 7 1.5' (H241048-07)

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	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	Chloride, SM4500Cl-B mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	44.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 8 1.5' (H241048-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 9 1.5' (H241048-09)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/05/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 10 1.5' (H241048-10)

BTEX 8021B

	9/	9	71.14.1, = 0	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 11 1.5' (H241048-11)

RTFY 8021R

B1EX 8021B	mg,	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	49.6	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 12 1.5' (H241048-12)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/06/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	72.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 13 1.5' (H241048-13)

BTEX 8021B

	9/	9	71.14.1, = 0	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	23.2	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 14 1.5' (H241048-14)

RTFY 8021R

mg/	9	7,	a By: JH					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	03/06/2024	ND	2.19	110	2.00	11.8	
<0.050	0.050	03/06/2024	ND	2.02	101	2.00	14.7	
<0.050	0.050	03/06/2024	ND	2.02	101	2.00	15.3	
<0.150	0.150	03/06/2024	ND	5.98	99.7	6.00	15.9	
<0.300	0.300	03/06/2024	ND					
110 %	71.5-13	4						
mg/	'kg	Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
112	16.0	03/06/2024	ND	416	104	400	3.77	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
44.4	10.0	03/05/2024	ND	223	111	200	11.8	
<10.0	10.0	03/05/2024	ND					
83.9	% 48.2-13	4						
82.5	% 49.1-14	8						
	Result <0.050 <0.050 <0.050 <0.150 <0.300 110 9 mg/ Result 112 mg/ Result <10.0 44.4 <10.0	Result Reporting Limit <0.050 0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery < 0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 15 1.5' (H241048-15)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	237	119	200	13.5	
DRO >C10-C28*	119	10.0	03/05/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	10.7	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 16 1.5' (H241048-16)

RTFY 8021R

mg/	9		a By: JH					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	03/06/2024	ND	2.19	110	2.00	11.8	
<0.050	0.050	03/06/2024	ND	2.02	101	2.00	14.7	
<0.050	0.050	03/06/2024	ND	2.02	101	2.00	15.3	
<0.150	0.150	03/06/2024	ND	5.98	99.7	6.00	15.9	
<0.300	0.300	03/06/2024	ND					
109 9	% 71.5-13	4						
mg/	'kg	Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
656	16.0	03/06/2024	ND	416	104	400	3.77	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	03/06/2024	ND	237	119	200	13.5	
66.8	10.0	03/06/2024	ND	223	111	200	11.8	
<10.0	10.0	03/06/2024	ND					
67.8	% 48.2-13	4						
65.6	% 49.1-14	8						
-	Result <0.050 <0.050 <0.050 <0.150 <0.300 109 9 mg/ Result 656 mg/ Result <10.0 66.8 <10.0	Result Reporting Limit <0.050 0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.150 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.3	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery < 0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 17 1.5' (H241048-17)

BTEX 8021B

DILX GOZID	11197	- Kg	Alldiyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.19	110	2.00	11.8	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	14.7	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	15.3	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.98	99.7	6.00	15.9	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	237	119	200	13.5	
DRO >C10-C28*	19.4	10.0	03/06/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 18 1.5' (H241048-18)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4600	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	237	119	200	13.5	
DRO >C10-C28*	16.7	10.0	03/06/2024	ND	223	111	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 19 1.5' (H241048-19)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	39.7	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	10.4	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	78.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 20 1.5' (H241048-20)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	49.7	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	69.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 21 1.5' (H241048-21)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	25.8	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	72.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 22 1.5' (H241048-22)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	23.5	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	54.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	53.4	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 23 1.5' (H241048-23)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	22.0	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	67.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 24 1.5' (H241048-24)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	19.9	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	77.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 25 1.5' (H241048-25)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7920	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	48.4	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	74.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.0	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 26 1.5' (H241048-26)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	61.1	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	12.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 27 1.5' (H241048-27)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	66.5	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	11.3	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	69.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 28 1.5' (H241048-28)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	42.7	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	71.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.8	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 29 1.5' (H241048-29)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	67.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 30 1.5' (H241048-30)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	111	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	17.8	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	65.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 31 1.5' (H241048-31)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	0.229	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	31.5	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	2250	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	386	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.4	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 32 1.5' (H241048-32)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	62.8	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	17.5	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	51.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	55.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 33 1.5' (H241048-33)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/06/2024	ND	432	108	400	3.64	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	208	104	200	11.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	70.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 34 1.5' (H241048-34)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	208	104	200	11.5	
DRO >C10-C28*	445	10.0	03/06/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	82.9	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	65.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 35 1.5' (H241048-35)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	208	104	200	11.5	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	74.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 36 1.5' (H241048-36)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	208	104	200	11.5	
DRO >C10-C28*	134	10.0	03/06/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	29.5	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	72.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Reported: 03/07/2024

Project Name: NIMITZ MDP 13 1 FED COM #311H

Project Number: 03B1417138
Project Location: EDDY CO NM

Sampling Date: 03/01/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 37 1.5' (H241048-37)

BTEX 8021B	mg,	'kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.00	100	2.00	9.57	
Toluene*	<0.050	0.050	03/06/2024	ND	1.99	99.4	2.00	9.49	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.1	2.00	9.42	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.93	98.8	6.00	8.31	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	208	104	200	11.5	
DRO >C10-C28*	239	10.0	03/06/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	47.4	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	65.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 38 1.5' (H241048-38)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	208	104	200	11.5	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	189	94.5	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 39 1.5' (H241048-39)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 40 1.5' (H241048-40)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	0.067	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	0.907	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	0.974	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	133 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	61.8	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	5600	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	1170	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 41 1.5' (H241048-41)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 42 1.5' (H241048-42)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	106	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	28.3	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 43 1.5' (H241048-43)

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	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	60.7	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	11.3	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 44 1.5' (H241048-44)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 45 1.5' (H241048-45)

BTEX 8021B

	9/	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	56.5	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 46 1.5' (H241048-46)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	11.4	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	61.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 47 1.5' (H241048-47)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 48 1.5' (H241048-48)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	23.7	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 49 1.5' (H241048-49)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	62.8	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	12.4	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 50 1.5' (H241048-50)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 51 1.5' (H241048-51)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	68.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: FS - 52 1.5' (H241048-52)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	03/06/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	180	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	44.4	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	72.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 53 1.5' (H241048-53)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	72.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 54 1.5' (H241048-54)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	76.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 55 1.5' (H241048-55)

BTEX 8021B

	9/	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: FS - 56 1.5' (H241048-56)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	72.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 57 1.5' (H241048-57)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	1.92	95.9	2.00	1.57	
Toluene*	<0.050	0.050	03/06/2024	ND	2.02	101	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	2.12	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.11	102	6.00	1.63	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 58 1.5' (H241048-58)

BTEX 8021B

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	213	106	200	2.29	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	217	109	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 59 1.5' (H241048-59)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.7	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 60 1.5' (H241048-60)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 61 1.5' (H241048-61)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 62 1.5' (H241048-62)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 63 1.5' (H241048-63)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: FS - 64 1.5' (H241048-64)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

mg/kg

Sample ID: DS - 6 .25' (H241048-65)

BTEX 8021B

DILX GOZID	mg/	ng .	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

mg/kg

Sample ID: DS - 7 .25' (H241048-66)

BTEX 8021B

DIEX GOZID	1119/	ng .	Allulyzo	.u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: DS - 8 .25' (H241048-67)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

mg/kg

Sample ID: DS - 9 .25' (H241048-68)

BTEX 8021B

DILX OUZID	ıııg,	ng .	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	76.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: DS - 10 .25' (H241048-69)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.01	100	2.00	12.5	
Toluene*	<0.050	0.050	03/06/2024	ND	1.98	99.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.94	97.0	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.63	93.9	6.00	12.4	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	319	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	41.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: SW - 6 0-1.5' (H241048-70)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	03/06/2024	ND	2.13	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.07	104	2.00	3.02	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.06	101	6.00	3.01	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7 9	% 71.5-13 ₋	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	85.0 9	48.2-13-	4						
Surrogate: 1-Chlorooctadecane	85.8 9	49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: SW - 1 0-1.5' (H241048-71)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	03/06/2024	ND	2.13	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.07	104	2.00	3.02	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.06	101	6.00	3.01	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: SW - 2 0-1.5' (H241048-72)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	03/06/2024	ND	2.13	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.07	104	2.00	3.02	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.06	101	6.00	3.01	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: SW - 3 0-1.5' (H241048-73)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	03/06/2024	ND	2.13	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.07	104	2.00	3.02	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.06	101	6.00	3.01	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/06/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: SW - 4 0-1.5' (H241048-74)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	03/06/2024	ND	2.13	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.07	104	2.00	3.02	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.06	101	6.00	3.01	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/06/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	81.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

Sample ID: SW - 5 0-1.5' (H241048-75)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	03/06/2024	ND	2.13	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.07	104	2.00	3.02	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.06	101	6.00	3.01	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 71.5-13-	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/06/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	101 9	49.1-148	3						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

mg/kg

Sample ID: DS - 1 .25' (H241048-76)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	03/06/2024	ND	2.13	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.07	104	2.00	3.02	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.06	101	6.00	3.01	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/06/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417138 Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: DS - 2 .25' (H241048-77)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	03/06/2024	ND	2.13	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.07	104	2.00	3.02	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.06	101	6.00	3.01	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: DS - 3 .25' (H241048-78)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.04	102	2.00	4.74	
Toluene*	<0.050	0.050	03/06/2024	ND	2.09	104	2.00	4.92	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.15	108	2.00	5.28	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.38	106	6.00	5.49	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	239	119	200	11.1	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	216	108	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Project Location: EDDY CO NM

Sample ID: DS - 4 .25' (H241048-79)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.04	102	2.00	4.74	
Toluene*	<0.050	0.050	03/06/2024	ND	2.09	104	2.00	4.92	
Ethylbenzene*	< 0.050	0.050	03/06/2024	ND	2.15	108	2.00	5.28	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.38	106	6.00	5.49	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	202	101	200	9.48	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	197	98.4	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2024 Sampling Date: 03/01/2024

Reported: 03/07/2024 Sampling Type: Soil

Project Name: NIMITZ MDP 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: EDDY CO NM

mg/kg

Sample ID: DS - 5 .25' (H241048-80)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2024	ND	2.04	102	2.00	4.74	
Toluene*	<0.050	0.050	03/06/2024	ND	2.09	104	2.00	4.92	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.15	108	2.00	5.28	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.38	106	6.00	5.49	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2024	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	202	101	200	9.48	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	197	98.4	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	80.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.9	% 49.1-14	8						

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(or	(5/5) 393-234	(5/5) 393-2326 FAX (5/5) 353-24/6	6					В	BILL TO				,	NALY	SIS F	ANALYSIS REQUEST	ST			-	1
	ally I owner						P.O. #:	#										_	-	17.3	
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Phone #: 214-733-3165		Email: klowery@ensolum.com	ery@	enso	lum.com		Add	Address:												478	50
	03B1417138	Project Owner:					City:				_								_		-
roject Name: Nin	Project Name: Nimitz MDP 13 1 FED COM #311H	#311H					State:	e:	Zip:		_								_		-
Project Location: Eddy Co. NM	Eddy Co. NM						Pho	Phone #:			_					1					
Sampler Name: Shane Diller	nane Diller						Email:	ail:			L	_							_	1	_
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2	FS-4	1.5	C	2	X			X	3/1/2024	124	-	+	×	T	†					+	
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of	FS-8	1.5	C	-	×	+	\pm	< >	3/1/2024	1	+	+	×				1				
2	FS-9	1.5	• 0	-	< >	Ŧ	\pm	< >	3/1/2024	29	+	1	×							-	-
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Relinquished By:		Date:	Rec	Received By:	Ву:	-	+		0	REMAR	KS: Payl	key/AFE	REMARKS: Paykey/AFE/NonAFE:	9	١.	Sample Jarian	1	Tal	64		
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Jampici Ci O		2	((O No O No	ĕ ĕ		~	3	Thermon	Thermometer ID #113 Correction Factor #.5°C	950	4146)		□Yes□ Yes		Corrected Temp. *C	ကို		
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 83 of 90

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(0.0) 000		2	•		AIDIN	ANAI YSIS REQUEST	
Company Name: Ensolum, LLC			BILL 10	0		7.57	000 100000	
Project Manager: Kelly Lowery			P.O. #:					
Address: 601 N. Marienfeld St. STE 400			Company:		_			
and State: TX	Zip: 79701		Attn:			_	_	
Phone #: 214-733-3165	Email: klowery	Email: klowery@ensolum.com	Address:					
Project#: 03B1417138	Project Owner:		City:					
3	1#311H		State: Zip:					
Project Location: Eddy Co. NM			Phone #:					
Sampler Name: Shane Diller			Email:					
FOR LAB USE ONLY		MATRIX	PRESERV. S	SAMPLING				
OR LAB USE CITE.	MP.				[
Lab I.D. Sample I.D.	Sample Depth (feet)	CONTAINERS GROUNDWATER WASTEWATER GOIL DIL BLUDGE	OTHER: ACID/BASE: CE / COOL OTHER:	TIME	BTEX 8021b	0064 esbirold		
FS-11	1.5 C	X	X	3/1/2024 1334	X	×		
17 FS-12		/ X		3/1/2024 / 335	\vdash	\vdash	-	
	1.5 C	/ X		3/1/2024 /255	X	+	+	+
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FS-15		X		3/1/2024 /333	X	-		
	1.5 C	/ X		3/1/2024 /333	X	+		
	1.5 C	/ X	X 3/1/	3/1/2024 1336	X	+		+
FS-18	1.5 C	X		3/1/2024 /252	+	+	+	
G FS-19	1.5 C	X		3/1/2024 /25 5	+	+		
20 FS-20		F	X 3/1/	3/1/2024 13-4 2	XX	X		
PLEASE NOTE: Labelly and Damager. Cardinats labelly and directs estable remark) for any claim acting the related to season or not reason and the related to the spiciable service. All claims including those for registence and any other cause whatevers what the deemed related unless made in writing and received by Cardinal within 30 days after competition of the applicable service. All claims including those for registence and any other cause whateverse whatever whatever the service stated and the service and the service and the service stated and the service and the service stated and the service stated and the service and the service stated and the service s	sive remedy for any claim arising whether based soever shall be deemed waived unless mad images, including without limitation, busine	ed in contract or fort, snaa oe ammou to une am ade in writing and received by Cardinal w ess interruptions, loss of use, or loss of p	uptions, loss of use, or loss of profits incurred by client, its subsidiaria	applicable service. es, henvice				
attitutes or successors arising out of or material to the performance of services hereunder by Cardinal, regardless of without Such claim is based upon any or an acceptance of the performance of services hereunder by Cardinal, regardless of without Such claim is based upon any or an acceptance of the performance of services hereunder by Cardinal, regardless of without Such claim is based upon any or an acceptance of the performance of services hereunder by Cardinal, regardless of without Such claim is based upon any or an acceptance of the performance of services hereunder by Cardinal, regardless of without Such claim is based upon any or an acceptance of the performance of services hereunder by Cardinal, regardless of without Such claim is based upon any or an acceptance of the performance of services hereunder by Cardinal, regardless of without Such claim is based upon any or an acceptance of the performance of services hereunder by Cardinal, regardless of without Such claim is based upon any or an acceptance of the performance of services here acceptance of the performance of the performa	Date: Re Time: 1527	Received By:	Jones		re emailed. I	Verbal Result: ☐ Yes ☐ No Add'l Pho All Results are emailed. Please provide Email address: klowery@ensolum.com / Bjennings@ensolum.com	Add'I Phone #: nail address: .com	
Relinquished By:	Date: Re	Received By:	0	REMARKS: Paykey/AFE/NonAFE:	PaykeylAFE/No	NonAFE:	0. 5.	ple Jay
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C		on CHECKED BY:	Y: Turnaround Time:	Standard Cool Intact	Bacteria (only) Sample Condition Observed Temp. *C	ample Condition	
	200	* S	X	Thermometer ID #113 Correction Factor 9-86	ID #113	世40	□ Yes □ Yes	Corrected Temp. *C

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

FORM-006 R 3.2 10/07/21

☐ Yes ☐ Yes ☐ No Corrected Temp. *C

Naboratories Naboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	1	Relinquished By:	affiliates or successors arid	All claims including those in no event shall Cardinal	PLEASE NOTE: Liability and	24	8	2	27	2	25	2	23	مل	9		HJYDY8 Lab I.D.	FOR LAB USE ONLY	Sampler Name: Shane Diller	Project Location: Eddy Co. NM	Project Name: N	Project #: 03B	Phone #: 214-73	Qυ I	Address: 601 N	Project Manager: Kelly Lowery	Company Name: Ensolum, LLC
	rcle One) Bus - Other:	y:	4	100	affiliates or successors arising out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing out of or related to the performance of services hereing hereing out of or related to the performance of services hereing herein	All claims including those for negligence and any other cause wisassers a sum or occurred the claims including those for negligence and any other cause wisassers and including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, 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, 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, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, 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, and the profits including without limitation and the profits including without li	PLEASE NOTE: Labally and Commission. Constitution to the contract of the contr	FS-30		FS-28	FS-27		FS-25	FS-24	FS-23	FS-22	FS-21		Sample I.D.		Shane Diller	Eddy Co. NM	Project Name: Nimitz MDP 13 1 FED COM #311H	03B1417138	214-733-3165	State: TX	601 N. Marienfeld St. STE 400	Kelly Lowery	Ensolum, LLC
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	de One)		1	1	affiliates or successors arising out of or related to the performance of services hereunder by Cattonia. In Education Industry of the Cattonia Company	All claims including those for negligence and any other cause windowers was a version of which the claims including those for negligence and any other cause windowers was a version of the consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, 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, 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, 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, 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, and it is a consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and it is a consequent and its consequent	PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be imited to the amount paid by the client for the analyses. PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be imited to the amount paid by the client for the analyses.	FS-40	FS-39	FS-38	FS-37	FS-36	FS-35	FS-34	FS-33	FS-32	FS-31		Sample I.D.		hane Diller	Eddy Co. NM	Project Name: Nimitz MDP 13 1 FED COM #311H	03B1417138	3-3165	State: TX Zip:	601 N. Marienfeld St. STE 400	(elly Lowery	insolum, LLC	(575) 393-232
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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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City: Midland	State: TX Zip:	: 79701							Attn:	"																	_	
Phone #: 214-733-3165		Email: klowery@ensolum.com	very(gens.	olum	1.COM	-		Add	Address:																	_	
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CARDINALLaboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Time: 55 7 WOULD Klowery@ensolum.com / Bjennings@ensolum.com / Bjennings.com / Bjennings.com / Bjennings.com / Bjennings.com / Bjennings.com / B	Relinquished By:	Off of the facility of the fac	Pate: 21	Re	9 ceive	d B	×	_	2			11/4/2			-	All Results a	re em	ailed.	Please	provide	Email	addr	ess:	3											- 1
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 88 of 90

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	Shill	Relinquished By	In no event shall Cardinal be liable for incidental or consequences arising out of or related to the perfo	PLEASE NOTE: Liability and Dar	9	69	23	67	E	S.	et et	\mathcal{Z}	62	1)		H241048 Lab I.D.	FOR LAB USE ONLY	Sampler Name: Shane Diller	Project Location: Eddy Co. NM	Project Name: Nim	Project #: 03B1417138	Phone #: 214-733-3165	0	Address: 601 N. N	Project Manager: Kelly Lowery	Company Name: Ensolum, LLC	
	ie One) us - Other:	2	Mell	110	lable for incidental or consequental dama; out of or related to the performance of se	rages. Cardinal's liability and client's exclu negligence and any other cause what	1	01-50	75-9	8-36	1	9-34	h9-52	125-63	125-62	FS-61		Sample I.D.		ane Diller	ddy Co. NM	Project Name: Nimitz MDP 13 1 FED COM #311H	17138	3165	State: TX Zi	601 N. Marienfeld St. STE 400	lly Lowery	solum, LLC	(5/5) 353-25
	Corrected Temp. °C	Time:	LSC l'anni	Date: 124	amages, including without limitation, if services hereunder by Cardinal, re	sive remedy for any claim arising whethe soever shall be deemed waived unle	0-1,5	,25	. 25	,25	,25	25	115	1.5	1.5	1.5		Sample Depth (feet)				#311H	Project Owner:	Email: klow	Zip: 79701				(010) 000 =0=0 1101
	Sample Constitution Cool Intact		Deceived By:	Received By:	gardless of whether such claim is based up	or based in contract or tort, shall be limited to the sss made in writing and received by Cardin	V 12	K	×	X	C X	C 2	2	2	2	X	# V	G)RAB OR (C)OMI CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	MATRIX					Email: klowery@ensolum.com					
-		CHECKED BY:	7	0.000	, including without limitation, outsiness interruptions, were or the stated reasons of otherwise ses hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwise ses hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwise	PLEASE NOTE: Liability and Damagne. Cardinar's liability and client's exclusive remody for any claim arising whether based in contract or far, shall be limited to the amount parary are common party and prompted to the applicable service and in writing and received by Cardinal within 30 days after completion of the applicable service as in broad-prompted to the prompted to the pro	K 32	× 1/3	110	11 x	1	-	42	I	200		V	OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV. SA		Pnone #:	orate.		Address:	Auri.	Company.	P.O. #:	BILL 10	211 170
	Rush Thermometer ID Correction Facto	Turnaround Time:	REMARKS: Paykey/AFE/NonAFE:	All Results are er klowery@ensolum	hal Result:	slicable service.	63-1-69	1 22-11	311-00	32-1	6 3/1	2 3-1-6	.0 -1 - 1	- 0	+		x 52.1.8 X	DATE 80	SAMPLING										
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	□ Yes□ Yes□ No□ No	Bacteria (only) Sample Condition		Please provide Email address: Bjennings@ensolum.com	Add'l Phone #:			,																					ANALYSIS REQUEST
	Corrected Temp. *C	14 40	1															X.											

Page 89 of 90

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(5/5) 393-234	(5/5) 393-2326 FAX (5/5) 393-24/0	9																					
Company Name: Ensolum, LLC	nsolum, LLC										BILL	L 70					NALY	SIS RE	ANALYSIS REQUEST	-		-	-	+
Project Manager: Kelly Lowery	elly Lowery								P.O. #:	.#:									_	_				
Address: 601 N. N	601 N. Marienfeld St. STE 400								Co	Company:	ny:								_	_				
<u>~ </u>	State: TX Zip	Zip: 79701							Attn:	n:									_	_				
Phone #: 214-733-3165	3165	Email: klowery@ensolum.com	rery(@ens	solur	n.co	n		Ad	Address:	S:													7
Project #: 03B1417138	17138	Project Owner:							City:	Y.													_	
Project Name: Nim	Project Name: Nimitz MDP 13 1 FED COM #311H	#311H							State:	ite:		Zip:							_			_		
Project Location: Eddy Co. NM	ddy Co. NM								Ph	Phone #:	#													
Sampler Name: Shane Diller	ane Diller								E	Email:														
FOR LAB USE ONLY							MATRIX	1*	1	PRE	PRESERV.	SAMPLING	IG)								-
H24/04/	Sample I.D.	Sample Depth (feet)	S)RAB OR (C)OMP.	CONTAINERS	ROUNDWATER	OIL	IL	LUDGE	THER:	CID/BASE:	CE / COOL THER :	DATE	TIME	TPH HQT	BLEX 80516	Chlorides 4500							~)	
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PLEASE NOTE: Liability and Dam All claims including those for r In no event shall Cardinal be li	FLEASE HOTE. Liability and Damages. Culcinate leasing and opens occasive remoty or any juans easing year. All claims including these for regigence and any other customer whitscopers that liability extends in writing and received by Cadinal within 30 days after competition of the applicable service. All claims including these for regigence and any other customer whitscopers that liabilities to build be added to the control of the contro	remony for any causi area of vincents were shall be deemed waived unles ages, including without limitation, be accious hereunder by Cardinal, red	s made usiness ardless	in writin interrup	ng and in ptions, in	eceived oss of u	by Car se, or k	ss of p	thin 30 rofits in	days a curred he abo	fler completion by client, its in we stated rea	on of the applicable se subsidiaries, sons or otherwise.	rvice.											
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		S, Si			- +			8 4			3	0	Thermometer ID _#149 Correction Factor = 0.5°C	34	1	-	5	_	O Yes O Yes		Corrected Temp. °C	ก็		
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April 16, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NIMITZ MDP1 13 1 FED COM #311H

Enclosed are the results of analyses for samples received by the laboratory on 04/05/24 12:07.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager

Reported:

16-Apr-24 08:40



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

Analytical Results For:

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

Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Laboratory ID Sample ID **Matrix Date Sampled Date Received** H241786-01 05-Apr-24 08:40 05-Apr-24 12:07 Soil FS - 2 2 05-Apr-24 08:43 H241786-02 Soil 05-Apr-24 12:07 FS - 13 2 H241786-03 05-Apr-24 08:46 Soil 05-Apr-24 12:07 FS - 15 3 05-Apr-24 08:49 H241786-04 Soil 05-Apr-24 12:07 FS - 16 3 05-Apr-24 08:52 H241786-05 05-Apr-24 12:07 FS - 18 3 Soil 05-Apr-24 08:54 H241786-06 FS - 19 3 Soil 05-Apr-24 12:07 05-Apr-24 08:57 H241786-07 Soil 05-Apr-24 12:07 FS - 24 3 05-Apr-24 09:00 H241786-08 FS - 25 3 Soil 05-Apr-24 12:07 05-Apr-24 09:03 H241786-09 Soil 05-Apr-24 12:07 FS - 26 3 05-Apr-24 09:06 H241786-10 05-Apr-24 12:07 Soil FS - 27 3 05-Apr-24 09:09 H241786-11 Soil 05-Apr-24 12:07 FS - 28 3 H241786-12 05-Apr-24 09:11 05-Apr-24 12:07 Soil FS - 29 3 H241786-13 05-Apr-24 09:13 Soil 05-Apr-24 12:07 FS - 30 3 H241786-14 05-Apr-24 09:16 05-Apr-24 12:07 FS - 31 3 Soil 05-Apr-24 09:18 H241786-15 Soil 05-Apr-24 12:07 FS - 32 3 05-Apr-24 09:20 H241786-16 Soil 05-Apr-24 12:07 FS - 34 2 05-Apr-24 09:22 H241786-17 05-Apr-24 12:07 Soil FS - 35 3 05-Apr-24 09:25 H241786-18 Soil 05-Apr-24 12:07 FS - 36 3 05-Apr-24 09:28 H241786-19 FS - 37 3 Soil 05-Apr-24 12:07 05-Apr-24 09:30 H241786-20 Soil 05-Apr-24 12:07 FS - 38 2 05-Apr-24 09:35 H241786-21 Soil 05-Apr-24 12:07 FS - 39 3 05-Apr-24 09:38 H241786-22 Soil 05-Apr-24 12:07

Cardinal Laboratories *=Accredited Analyte

Soil

Soil

Soil

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05-Apr-24 09:41

05-Apr-24 09:44

05-Apr-24 09:47

05-Apr-24 09:50

05-Apr-24 09:52

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Celey D. Keine

FS - 40 3

FS - 41 3

FS - 42 3

FS - 43 2

FS - 47 3

FS - 48 3

Celey D. Keene, Lab Director/Quality Manager

H241786-23

H241786-24

H241786-25

H241786-26

H241786-27

05-Apr-24 12:07

05-Apr-24 12:07

05-Apr-24 12:07

05-Apr-24 12:07

05-Apr-24 12:07



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project: Project Number: Project Manager: Fax To:		Reported: 16-Apr-24 08:40
FS - 49 3	H241786-28	Soil	05-Apr-24 09:55	05-Apr-24 12:07
FS - 50 3	H241786-29	Soil	05-Apr-24 09:58	05-Apr-24 12:07
FS - 51 3	H241786-30	Soil	05-Apr-24 10:01	05-Apr-24 12:07
FS - 52 3	H241786-31	Soil	05-Apr-24 10:04	05-Apr-24 12:07
FS - 54 2	H241786-33	Soil	05-Apr-24 10:10	05-Apr-24 12:07
DS - 7 0.5	H241786-34	Soil	05-Apr-24 08:58	05-Apr-24 12:07
DS - 10 0.5	H241786-35	Soil	05-Apr-24 09:02	05-Apr-24 12:07

04/16/24 - Client added TPH to sample -14 and removed sample -32 (see COC). This is the revised report and will replace the one sent on 04/11/24.

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Reported: 16-Apr-24 08:40

Project Manager: KELLY LOWERY

Fax To:

FS - 2 2 H241786-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040521	MS	09-Apr-24	8015B	
DRO >C10-C28*	40.6		10.0	mg/kg	1	4040521	MS	09-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4040521	MS	09-Apr-24	8015B	
Surrogate: 1-Chlorooctane			82.3 %	48.2	-134	4040521	MS	09-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			89.4 %	49.1	-148	4040521	MS	09-Apr-24	8015B	

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Celey D. Keene

Reported:

16-Apr-24 08:40



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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 13 2 H241786-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds										
Chlorida	5020		16.0	ma/ka	4	4040028	A.C.	00 Apr 24	4500 CLD	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 15 3 H241786-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040521	MS	09-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4040521	MS	09-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4040521	MS	09-Apr-24	8015B	
Surrogate: 1-Chlorooctane			87.4 %	48.2	2-134	4040521	MS	09-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			93.9 %	49.1	-148	4040521	MS	09-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 16 3 H241786-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 18 3 H241786-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Cardinal Laboratories												
Inorganic Compounds												
Chloride	832		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 19 3 H241786-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
Cardinal Laboratories											
Inorganic Compounds											
Chloride	3520		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B		

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 24 3 H241786-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Cardinal Laboratories												
Inorganic Compounds												
Chloride	3200		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 25 3 H241786-08 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
]	Inorganic Compounds											
(Chloride	3600		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B		

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 26 3 H241786-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
Cardinal Laboratories											
Inorganic Compounds											
Chloride	3320		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B		

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 27 3 H241786-10 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
				Cardina	ıl Laborat	ories					
]	Inorganic Compounds										
(Chloride	1580		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 28 3 H241786-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Cardinal Laboratories												
Inorganic Compounds												
Chloride	704		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

FS - 29 3 H241786-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	736		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
DRO >C10-C28*	18.1		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane			79.0 %	48.2	-134	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			80.2 %	49.1	-148	4040524	MS	08-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

FS - 30 3 H241786-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	4040928	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
DRO >C10-C28*	26.2		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane			72.6 %	48.2	-134	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			74.5 %	49.1	-148	4040524	MS	08-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

FS - 31 3 H241786-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	288		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4041226	MS	12-Apr-24	8015B	
DRO >C10-C28*	16.6		10.0	mg/kg	1	4041226	MS	12-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4041226	MS	12-Apr-24	8015B	
Surrogate: 1-Chlorooctane			96.6 %	48.2	-134	4041226	MS	12-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			107 %	49.1	-148	4041226	MS	12-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 32 3 H241786-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

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

Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 34 2 H241786-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	928		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
DRO >C10-C28*	32.1		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane			67.1 %	48.2	-134	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			67.1 %	49.1	-148	4040524	MS	08-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 35 3 H241786-17 (Soil)

Ana	llyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
Inor	ganic Compounds											
Chlor	ride	3520		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B		

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Analytical Results For:

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

Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Reported: 16-Apr-24 08:40

Project Manager: KELLY LOWERY

Fax To:

FS-36 3 H241786-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	4160		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
DRO >C10-C28*	46.3		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	14.9		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane			77.9 %	48.2	-134	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			82.3 %	49.1	-148	4040524	MS	08-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

FS - 37 3 H241786-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	5760		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
DRO >C10-C28*	68.7		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	22.8		10.0	mg/kg	1	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane			83.8 %	48.2	-134	4040524	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			85.5 %	49.1	-148	4040524	MS	08-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 38 2 H241786-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes				
	Cardinal Laboratories													
Inorganic Compounds														
Chloride	736		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B					

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 39 3 H241786-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes				
	Cardinal Laboratories													
Inorganic Compounds														
Chloride	1250		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B					

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138 16-7

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

FS - 40 3 H241786-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	992		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040818	MS	08-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4040818	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4040818	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane			79.5 %	48.2	-134	4040818	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			81.5 %	49.1	-148	4040818	MS	08-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

#311 Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 41 3 H241786-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1600		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 42 3 H241786-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	3440		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040818	MS	08-Apr-24	8015B	
DRO >C10-C28*	21.1		10.0	mg/kg	1	4040818	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4040818	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane			87.6 %	48.2	-134	4040818	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			90.0 %	49.1	-148	4040818	MS	08-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 43 2 H241786-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 47 3 H241786-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	5280		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

FS - 48 3 H241786-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

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Fax To:

FS - 49 3 H241786-28 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
				Cardina	l Laborat	ories					
<u>I</u> 1	norganic Compounds										
C	Chloride	256		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 50 3 H241786-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	4000		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 51 3 H241786-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1840		16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

FS - 52 3 H241786-31 (Soil)

Analyte	Result	Reporti MDL Limit		Dilution	Batch	Analyst	Analyzed	Method	Notes
		Ca	rdinal Labora	ntories					
Inorganic Compounds									
Chloride	1920	16.0	mg/kg	4	4040929	AC	09-Apr-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4040819	MS	08-Apr-24	8015B	
DRO >C10-C28*	25.2	10.0	mg/kg	1	4040819	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4040819	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane		85	.1 % 48.	2-134	4040819	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane		79	.1 % 49.	1-148	4040819	MS	08-Apr-24	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138
Project Manager: KELLY LOWERY

Fax To:

FS - 54 2 H241786-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chlorido	2060		16.0	ma/ka	1	4040020	A.C.	00 Apr 24	4500 CLB	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Reported: 16-Apr-24 08:40

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

DS - 7 0.5 H241786-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	4040930	HM	09-Apr-24	4500-Cl-B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

DS - 10 0.5 H241786-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4040819	MS	08-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4040819	MS	08-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4040819	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctane			80.5 %	48.2	-134	4040819	MS	08-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			77.0 %	49.1	-148	4040819	MS	08-Apr-24	8015B	

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Analytical Results For:

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

Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138 Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
,	Result	- Dillit	Chic	Zever	resure	, 5120	Ziiiito		Ziiiit	110103
Batch 4040928 - 1:4 DI Water										
Blank (4040928-BLK1)				Prepared &	Analyzed:	09-Apr-24				
Chloride	ND	16.0	mg/kg							
LCS (4040928-BS1)				Prepared &	Analyzed:	09-Apr-24				
Chloride	464	16.0	mg/kg	400		116	80-120			
LCS Dup (4040928-BSD1)				Prepared &	Analyzed:	09-Apr-24				
Chloride	448	16.0	mg/kg	400		112	80-120	3.51	20	
Batch 4040929 - 1:4 DI Water										
Blank (4040929-BLK1)				Prepared &	z Analyzed:	09-Apr-24				
Chloride	ND	16.0	mg/kg							
LCS (4040929-BS1)				Prepared &	z Analyzed:	09-Apr-24				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4040929-BSD1)				Prepared &	Analyzed:	09-Apr-24				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 4040930 - 1:4 DI Water										
Blank (4040930-BLK1)				Prepared &	Analyzed:	09-Apr-24				
Chloride	ND	16.0	mg/kg		-					
LCS (4040930-BS1)				Prepared &	Analyzed:	09-Apr-24				
Chloride	432	16.0	mg/kg	400		108	80-120			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 4040930 - 1:4 DI Water

LCS Dup (4040930-BSD1) Prepared & Analyzed: 09-Apr-24								
Chloride	464	16.0	mg/kg	400	116	80-120	7.14	20

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4040521 - General Prep - Organics										
Blank (4040521-BLK1)				Prepared: ()5-Apr-24 A	nalyzed: 0	08-Apr-24			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	43.9		mg/kg	50.0		87.8	48.2-134			
Surrogate: 1-Chlorooctadecane	44.1		mg/kg	50.0		88.2	49.1-148			
LCS (4040521-BS1)				Prepared: ()5-Apr-24 A	nalyzed: 0	08-Apr-24			
GRO C6-C10	234	10.0	mg/kg	200		117	66.4-123			
DRO >C10-C28	239	10.0	mg/kg	200		120	66.5-118			BS-3
Total TPH C6-C28	473	10.0	mg/kg	400		118	77.6-123			
Surrogate: 1-Chlorooctane	42.6		mg/kg	50.0		85.2	48.2-134			
Surrogate: 1-Chlorooctadecane	44.6		mg/kg	50.0		89.1	49.1-148			
LCS Dup (4040521-BSD1)				Prepared: ()5-Apr-24 A	nalyzed: 0	08-Apr-24			
GRO C6-C10	243	10.0	mg/kg	200		121	66.4-123	3.47	17.7	
DRO >C10-C28	252	10.0	mg/kg	200		126	66.5-118	5.38	21	BS-3
Total TPH C6-C28	495	10.0	mg/kg	400		124	77.6-123	4.44	18.5	BS-3
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		93.9	48.2-134			
Surrogate: 1-Chlorooctadecane	49.6		mg/kg	50.0		99.1	49.1-148			
Batch 4040524 - General Prep - Organics										
Blank (4040524-BLK1)				Prepared &	z Analyzed:	08-Apr-24	ļ			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.8		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	57.2		mg/kg	50.0		114	49.1-148			

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Celey D. Keene



%REC

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

Source

Project Number: 03B1417138

Spike

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4040524 - General Prep - Organ	iics									
LCS (4040524-BS1)				Prepared &	k Analyzed:	08-Apr-24	ļ			
GRO C6-C10	191	10.0	mg/kg	200		95.7	66.4-123			
DRO >C10-C28	207	10.0	mg/kg	200		103	66.5-118			
Total TPH C6-C28	398	10.0	mg/kg	400		99.5	77.6-123			
Surrogate: 1-Chlorooctane	60.1		mg/kg	50.0		120	48.2-134			
Surrogate: 1-Chlorooctadecane	62.2		mg/kg	50.0		124	49.1-148			
LCS Dup (4040524-BSD1)				Prepared &	k Analyzed:	08-Apr-24	ļ			
GRO C6-C10	201	10.0	mg/kg	200		100	66.4-123	4.78	17.7	
DRO >C10-C28	205	10.0	mg/kg	200		103	66.5-118	0.657	21	
Total TPH C6-C28	406	10.0	mg/kg	400		102	77.6-123	2.00	18.5	
Surrogate: 1-Chlorooctane	61.3		mg/kg	50.0		123	48.2-134			
Surrogate: 1-Chlorooctadecane	64.0		mg/kg	50.0		128	49.1-148			
Batch 4040818 - General Prep - Organ	nics									
Blank (4040818-BLK1)				Prepared &	k Analyzed:	08-Apr-24	ļ			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.6		mg/kg	50.0		89.2	48.2-134			
Surrogate: 1-Chlorooctadecane	46.1		mg/kg	50.0		92.3	49.1-148			
LCS (4040818-BS1)				Prepared &	k Analyzed:	08-Apr-24	ļ			
GRO C6-C10	237	10.0	mg/kg	200		118	66.4-123			
DRO >C10-C28	247	10.0	mg/kg	200		124	66.5-118			BS-
Total TPH C6-C28	484	10.0	mg/kg	400		121	77.6-123			
Surrogate: 1-Chlorooctane	44.5		mg/kg	50.0		89.0	48.2-134			
Surrogate: 1-Chlorooctadecane	47.0		mg/kg	50.0		94.0	49.1-148			

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: NIMITZ MDP1 13 1 FED COM #311

1#311 F

Reported: 16-Apr-24 08:40

E. Project Number: 03B1417138

Project Manager: KELLY LOWERY

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040818 - General Prep - Organics										
LCS Dup (4040818-BSD1)				Prepared &	k Analyzed:	08-Apr-24	ļ			
GRO C6-C10	234	10.0	mg/kg	200		117	66.4-123	0.929	17.7	
DRO >C10-C28	247	10.0	mg/kg	200		124	66.5-118	0.0413	21	BS-3
Total TPH C6-C28	482	10.0	mg/kg	400		120	77.6-123	0.432	18.5	
Surrogate: 1-Chlorooctane	46.0		mg/kg	50.0		92.0	48.2-134			
Surrogate: 1-Chlorooctadecane	47.8		mg/kg	50.0		95.7	49.1-148			
Batch 4040819 - General Prep - Organics										
Blank (4040819-BLK1)				Prepared &	k Analyzed:	08-Apr-24	ļ			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	48.2-134			
Surrogate: 1-Chlorooctadecane	42.8		mg/kg	50.0		85.6	49.1-148			
LCS (4040819-BS1)				Prepared &	k Analyzed:	08-Apr-24	1			
GRO C6-C10	259	10.0	mg/kg	200		129	66.4-123			BS-3
DRO >C10-C28	255	10.0	mg/kg	200		127	66.5-118			BS-3
Total TPH C6-C28	513	10.0	mg/kg	400		128	77.6-123			BS-3
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.1	48.2-134			
Surrogate: 1-Chlorooctadecane	44.5		mg/kg	50.0		89.0	49.1-148			
LCS Dup (4040819-BSD1)				Prepared &	k Analyzed:	08-Apr-24	1			
GRO C6-C10	240	10.0	mg/kg	200		120	66.4-123	7.50	17.7	
DRO >C10-C28	247	10.0	mg/kg	200		124	66.5-118	2.96	21	BS-3
Total TPH C6-C28	487	10.0	mg/kg	400		122	77.6-123	5.23	18.5	
Surrogate: 1-Chlorooctane	46.6		mg/kg	50.0		93.2	48.2-134			
Surrogate: 1-Chlorooctadecane	43.4		mg/kg	50.0		86.8	49.1-148			

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*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



%REC

Limits

49.1-148

104

RPD

Analytical Results For:

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

Surrogate: 1-Chlorooctadecane

Analyte

Project: NIMITZ MDP1 13 1 FED COM #311

Source

Result

%REC

Project Number: 03B1417138

Spike

Level

50.0

Project Manager: KELLY LOWERY

Fax To:

Reported: 16-Apr-24 08:40

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

52.0

r mary to	resur	Lillin	Cinto	Level	recourt	/orche	Limits	IG D	Lilling	110105
Batch 4041226 - General Prep - Organi	cs									
Blank (4041226-BLK1)				Prepared &	Analyzed:	12-Apr-24	1			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.1		mg/kg	50.0		98.1	48.2-134			
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0		106	49.1-148			
LCS (4041226-BS1)				Prepared &	Analyzed:	12-Apr-24	1			
GRO C6-C10	188	10.0	mg/kg	200		93.9	66.4-123			
DRO >C10-C28	202	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	390	10.0	mg/kg	400		97.6	77.6-123			
Surrogate: 1-Chlorooctane	45.8		mg/kg	50.0		91.6	48.2-134			
Surrogate: 1-Chlorooctadecane	48.9		mg/kg	50.0		97.8	49.1-148			
LCS Dup (4041226-BSD1)				Prepared &	Analyzed:	12-Apr-24	1			
GRO C6-C10	190	10.0	mg/kg	200		94.9	66.4-123	1.01	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.4	66.5-118	1.85	21	
Total TPH C6-C28	389	10.0	mg/kg	400		97.1	77.6-123	0.462	18.5	
Surrogate: 1-Chlorooctane	48.4		mg/kg	50.0		96.8	48.2-134			

mg/kg

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 44 of 48

FORM-006 R 3.2 10/07/21



101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: Relinquished By: 超113% Sampler Name: Kaoru Shimada, Shane Diller Project Manager: Kelly Lowery (575) 393-2326 FAX (575) 393-2476 Company Name: Ensolum, LLC Relinquished By: Project Location: 32.222561, 103.992187 Project Name: NIMITZ MDP1 13 1 Federal Com. #311H Phone #: 214-733-3165 City: Midland Project #: 03B1417138 601 N. Marienfeld St. STE 400 Sample I.D. State: TX Zip: 79701 4 Project Owner: Sample Depth (feet) Time: Date: Time; 2:07 Date: 4.5.24 WW WW klowery@ensolum.com Received By (G)RAB OR (C)OMP. Received By: Sample Condition
Cool Intact

Pres Pres

No No WASTEWATER SOIL SLUDGE OTHER State: Email: Phone #: City: Address: Attn: Wade Dittrich Company: OXY USA P.O. #: ACID/BASE: CHECKED BY: BILL TO (Initials) Zip: DATE SAMPLING REMARKS: Paykey/AFE/NonAFE: 2524 948 000 74X TIME Cool Intact **BTEX 8015M TPH 8021B** 7 1 ved Temp. °C XXX Chloride 4500 ANALYSIS REQUEST

るっても neter ID *#113

Yes Yes

Temp. °C

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

Corrected Temp. °C

Sample Condition Cool Intact

CHECKED BY

(Initials)

Cool Intact

9



101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sampler Name: Kaoru Shimada, Shane Diller (575) 393-2326 FAX (575) 393-2476 Project Location: 32.222561, 103.992187 Project Name: NIMITZ MDP1 13 1 Federal Com. #311H Phone #: 214-733-3165 City: Midland Project Manager: Kelly Lowery Project #: 03B1417138 601 N. Marienfeld St. STE 400 Sample I.D. State: TX Zip: 79701 29 30 Project Owner: Sample Depth (feet) Date: 4.5.24 Time Date: Time: Email: klowery@ensolum.com Received By: Received By: G)RAB OR (C)OMP WASTEWATER SOIL SLUDGE OTHER State: City: Company: OXY USA P.O. #: Email: Phone #: Address: Attn: Wade Dittrich ACID/BASE BILL TO Zip: DATE SAMPLING 929 REMARKS: Paykey/AFE/NonAFE: **BTEX 8015M** XXX TPH 8021B Chloride 4500 ANALYSIS REQUEST TPH 8 802113 TPH addled " 41224

Correction Factor 0.5°C

No No

OH/#



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

la la			P.O. #: Company: OXY USA	70	Ц		_ >	NALYSIS	S REQUEST	-	
jer: Kelly Lowery 1 N. Marienfeld St. STE 400 State: TX			P.O. #: Company: OXY	IC V	Ц			4	-	-	
1 N. Marienfeld St. STE 400 State: TX			Company: OXY	ica				_	_	_	
State: TX				O.A.							
I	b: 19101		Attn: Wade Dittrich	ň							
Phone #: 214-733-3165	Email: klowery@ensolum.com		Address:								
Project #: 03B1417138 Pro	Project Owner:		City:						_		
Project Name: NIMITZ MDP1 13 1 Federal Com. #311H	om. #311H		State: Zip:	9:					_		
Project Location: 32.222561, 103.992187			Phone #:				00				
Sampler Name: Kaoru Shimada, Shane Diller	Diller		Email:		5M		-				
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	15		-				
HAU786 Lab I.D. Sample I.D.	Depth (C)OMP	VATER			X 80	1 802	oride				
	(G)RAB OF	GROUNDV WASTEWA SOIL OIL SLUDGE	OTHER: ACID/BASI ICE COO OTHER:	DATE TIME	BTE						
dl 15 39	23	1 × 1	, X	415124 d	343		×				
33 FS 40	\sigma_1	4	2	2	828	×	×				
14 54 80	n			2	145		×				
24 FS 42	0.1			S	44	×	×				
84 54 SPB	22			0	47		×				
24 St 36	3			0	50		×				
37 FS 49	A			0	132		×				
164 52 X	'n			-	625	\dagger	×	L			
93 FS 50	(A)	1	-	0	852	T	×				
	3	X X X X X X X X X X X X X X X X X X X	X 4	124	1001		×	L			
PLEASE DOTE: Lability and Damages. Cardisal's liability and clerict exclusive remody for any claim falling witner based in contact dirt. Asal to introduce the amount past prive center for a hardyses. All claims including thomse for negligeness and any other cause witnesseers et all to deemed valued unless made in writing and resolves by Cardinal witning 3 days after completion of the applicable service. All claims including thomse for negligeness and any other cause witninesseer shall be deemed valued unless made in writing and resolves of Up Cardinal witning 3 days after completion of the applicable service. In no event shall Cardinal be liable for incleratal or consequential demages, including without limitation, business interruptions, loss of use, or loss of grotts normed by client, its sessionations are consequently and the property of the control of the above shall resource or consequently in the shall unless on of the above shall resource or other control of the above shall resource or definitions.	ages, Cardinal Bably and desire sealarie mendy for any claim inflang whether based in contract or increase in make the amount past contract or pages, pagingness and any other cause whethere whether all the demands and any other cause whethere whether all be deemed any whether based in writing and or increased by Cardinal Bably and other cause whethere whether a shall be demand any other cause whethere whether a shall be demand to the cause of	contract or tort, shall be limited to the amou- writing and received by Cardinal within terruptions, loss of use, or loss of profit whether such claim is based upon any	Int paid by the client for the anal in 30 days after completion of its incurred by client, its subsite v of the above stated reasons	yses. the applicable service diaries, or otherwise.							
Relinquished By:	Date Sal Recei	Received By:			Verbal Result:	☐ Yes	No Add'I Pho Please provide Email address:	Ac le Email a	Add'I Phone #:		
Melloch	Time: 12:07	1: (klowe	klowery@ensolum.com	om					
Relinquished By:		Received By:		REM.	REMARKS: Paykey/AFE/NonAFE:	//AFE/No	nAFE:				
	Time:										
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C // Corrected Temp. °C	Sample Condition Cool Intact	CHECKED BY: (Initials)		Turnaround Time: Sta	Standard -	2 '	Bacteria (only) Sample Condition ed Temp. °C	Sondition		
		3 4		Thern	Thermometer ID #113	4			Yes Yes		
	+ E	2)	5	Corre	Correction Factor -8.5°C	त	_		No No	Corrected Temp. °C	

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		BILL TO	A	ANALYSIS REQUEST
Project Manager: Kelly Lowery		P.O. #:		
Address: 601 N. Marienfeld St. STE 400		Company: OXY USA		
land State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 214-733-3165	Email: klowery@ensolum.com	Address:		
Project #: 03B1417138 Pr	Project Owner:	City:		
Project Name: NIMITZ MDP1 13 1 Federal Com. #311H		State: Zip:		
Project Location: 32.222561, 103.992187		Phone #:		
Sampler Name: Kaoru Shimada, Shane Diller		Email:	В	
FOR LAB USE ONLY		PRESERV. SAMPLING	21	
Lab I.D. Sample I.D.	WATER		EX 80 H 802 nloride	
	# CONTA GROUNI WASTEV SOIL OIL SLUDGE	OTHER: ACID/BA CE CO OTHER: DATE	TP	
3 63 62	22 6 7 2	X 4/5/24	004 Y X	0
33 52 53	X 5 2	1 42151/1	X X X X X X X X X X X X X X X X X X X	12Mb Davama 1
12 57 54 52 52 54	2 C 1 X		×	
4 59, 146	6.5 6 2 4	8 47/4/h V	× 858	
0 50 96	05 8 4 x	x 4/5/24	902 ×	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusival claims. Including those for negligence and any other cause whatiso in no event shall Cardinal be liable for incidental or consequential affiliates or suncesors existence until of or related to the actionance of a sefficience or service.	FLASE NOTE: Liabily and Diminger. Conden's satelly and deriff scotchols enredy for any claim single vertice based in conduct or tick size for interest by an increase and any other constitute or the condense of the condense	unt paid by the client for the analyses. In 30 days after completion of the applicable service fits incurred by client, its subsidiaries, Its incurred by client, its subsidiaries. It is above stated reasons or otherwise.	26	
Relinquished By:	Date: 15.34 Received By:		d es	No Add'! Phone #: Please provide Email address:
MA //www	2:01	DEN	DEMARKS: Backer/AFE/NonAFE:	
vellidus/far by.	Time:		_	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C U D C Sample Condition Corrected Temp. °C Cool Intact	CHECKED BY: Turnar (Initials)	ound Time: Standard	Bacteria (only) Sample Condition ed Temp. *C
		Then	Thermometer ID #113 Correction Factor = 0.5°C	☐ Yes ☐ Yes ☐ No Corrected Temp. 'C

Correction Factor 1594

No No



May 16, 2024

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NIMITZ MDP1 13 1 FED COM #311H

Enclosed are the results of analyses for samples received by the laboratory on 05/10/24 10:26.

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

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/10/2024 Sampling Date: 05/09/2024

Reported: 05/16/2024 Sampling Type: Soil

Project Name: NIMITZ MDP1 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Tamara Oldaker

Project Location: OXY 32.222561, -103.992187

Sample ID: FS - 13 4 (H242558-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/14/2024	ND	416	104	400	7.41	

Sample ID: FS - 19 4 (H242558-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/14/2024	ND	416	104	400	7.41	

Sample ID: FS - 18 4 (H242558-03)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/14/2024	ND	416	104	400	7.41	

Sample ID: FS - 24 4 (H242558-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/14/2024	ND	416	104	400	7.41	

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Celeg D. Freene



Analytical Results For:

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

Received: 05/10/2024 Reported:

05/16/2024

NIMITZ MDP1 13 1 FED COM #311H

Project Number: 03B1417138

Project Location: OXY 32.222561, -103.992187 Sampling Date: 05/09/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: FS - 25 4 (H242558-05)

Project Name:

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 26 4 (H242558-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 27 4 (Chloride, SM4500Cl-B	•	ı/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 28 4 (H242558-08)								
Chloride, SM4500CI-B	mg	ı/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 29 4 (H242558-09)								
Chloride, SM4500CI-B	mg	ı/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/14/2024	ND	416	104	400	7.41	

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Analytical Results For:

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

Received: 05/10/2024 Reported:

05/16/2024

Project Name: NIMITZ MDP1 13 1 FED COM #311H Project Number: 03B1417138

Project Location: OXY 32.222561, -103.992187 Sampling Date: 05/09/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: FS - 34 4 (H242558-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 35	4 (H242558-11)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 36 Chloride, SM4500Cl-B	•	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 37	5 (H242558-13)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 38	5 (H242558-14)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/14/2024	ND	416	104	400	7.41	

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Cool & Intact

Analytical Results For:

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

Received: 05/10/2024 Reported: 05/16/2024

 05/10/2024
 Sampling Date:
 05/09/2024

 05/16/2024
 Sampling Type:
 Soil

Sampling Condition:

Project Name: NIMITZ MDP1 13 1 FED COM #311H

Project Number: 03B1417138 Sample Received By: Tamara Oldaker

Project Location: OXY 32.222561, -103.992187

Sample ID: FS - 39 5 (H242558-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/14/2024	ND	416	104	400	7.41	
Sample ID: FS - 40	6 (H242558-16)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/13/2024	ND	432	108	400	0.00	
Sample ID: FS - 41	6 (H242558-17)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/13/2024	ND	432	108	400	0.00	
Sample ID: FS - 42	4 (H242558-18)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/13/2024	ND	432	108	400	0.00	
Sample ID: FS - 47	4 (H242558-19)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/13/2024	ND	432	108	400	0.00	

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Celey D. Keine



Analytical Results For:

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

Reported: 05/16/2024

Project Name: NIMITZ MDP1 13 1 FED COM #311H

05/10/2024

Project Number: 03B1417138

Project Location: OXY 32.222561, -103.992187

Sampling Date: 05/09/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 50 6 (H242558-20)

Received:

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/13/2024	ND	432	108	400	0.00	
•	H242558-21)								
Chloride, SM4500Cl-B	mg		•	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/13/2024	ND	432	108	400	0.00	
Sample ID: FS - 52 6 (H242558-22)								
Sample ID: FS - 52 6 (Chloride, SM4500Cl-B	H242558-22)	/kg	Analyze	d By: HM					
•	•	/kg Reporting Limit	Analyze Analyzed	d By: HM Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500Cl-B	mg				BS 432	% Recovery	True Value QC 400	RPD 0.00	Qualifier
Chloride, SM4500Cl-B Analyte	Result	Reporting Limit	Analyzed	Method Blank		,	·		Qualifier
Chloride, SM4500Cl-B Analyte Chloride	Result	Reporting Limit	Analyzed 05/13/2024	Method Blank		,	·		Qualifier
Chloride, SM4500Cl-B Analyte Chloride Sample ID: FS - 54 4 (mg Result 64.0 (H242558-23)	Reporting Limit	Analyzed 05/13/2024	Method Blank ND		,	·		Qualifier Qualifier

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

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Company Name:	Ensolum, LLC											-		BILL 10			ı			ANALTSIS KEWUESI	10	10	3	18	IF	19	1	1	1	1	1	L
Project Manager:	Beaux Jennings								70	P.O.	#																					
Address: 601 N.	601 N. Marienfeld St. STE 400	E 400							C	om	Company:	Ŋ.		Oxy USA, Inc.																		
City: Midland	a	State: TX	Zip:	7	79701	_			A	Attn:		Wa	de	Wade Dittrich																		
Phone #: 210-219-8858	-8858	Fax #:							D	dd	Address	S				_																
Project #: 72814171	417138	Project Owner:							0	City:						0																
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PLEASE NOTE: Liability and Da analyses. All claims including the service in no event shall Cardin	amages. Cardinal's liability ar ose for negligence and any c	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 inangees. All claims including those for negligence and any other cause whatsoever shall be deemed wahed unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed wahed unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other causes whatsoever shall be deemed wahed in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other causes whatsoever shall be deemed wahed in writing and in the client for the including the including the cl	y claim eemed without	arising waived limitati	wheth unless on, bu	her bas s mad siness	sed in le in w	contra iting a	and re	tort, s ceive	hall b d by o	e limi Cardir	nal w	the amount paid by thin 30 days after coxifts incurred by client	the client for t mpletion of the t, its subsidiarie	he e applicable es,																
Relinquished By:	it of or related to the perform	affilates or successors arising out of or related to the performance of services hereunder by Cardinal, repartless of whether such claim is based upon any of the above stated reasons or otherwise. Recipied By: Received By: Verbal Res	Rec	Received By:	ed l	wheth	ner suc	sh clai	la si	ased) upon	any	of the	above stated reason	Verbal Result:	sult:	- Y	Yes 🗆	□ No	Add'I Phone #:	ňon	e #										\perp
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Relinquished By:		Date:	Re	Received By:	ed I	Ϋ́		ř		1	8			7	REMARKS:	**	- 1															
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Sampler - UPS - Bus - Other:	s - Other:	Corrected Temp. °C			L		- 0		Yes	_		8.	14)	Thermometer ID #113* Correction Factor -0.5*C	actor -0	D •	4/4	5/10	124		Yes No	J Yes J No	o 88	ဂ္ဂ	УГГЕ	ctec	1	Corrected Temp. °C	ကိ		
FORW-UDD K	171111111																		-													

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

Observed Temp. Corrected Temp. °C

ô

Time:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Ensolum, LLC			-								8	BILL TO				_▶	ANALYSIS	긺	띪		ఠ	딞	REQUEST	1	- 1					
Project Manager:	Beaux Jennings								P.O.	#		- 1			\dashv				\neg	_		\dashv		\neg	\Box		\dashv		4		
Address: 601 N	601 N. Marienfeld St. STE 400	00							ဂ	ᇹᅵ	Company:	- 1	Oxy USA, Inc.	ç																	
City: Midland	c	State: TX	Zip:	7	79701	_			Attn:	₽	×	de	Wade Dittrich																		
Phone #: 210-219-8858	9-8858	Fax #:							Ad	Address:	SS:																				
Project #: 0331417138	1417138	Project Owner:							City:	Y.					0																
Project Name: Nimitz	imitz MDP 131	Federal	Com		土	3114	Ŧ		State:	ite:			Zip:		50																
Project Location:	Eddy County								Ph	Phone #:	#	5	575-390-2828		4												_				
Sampler Name:	à	Guadian							Fax #:	#					e																
FOR LAB USE ONLY				\dashv	١	ş	MATRIX	î	╝	R	PRESERV	₹	SAMPLING	ING	d-																
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PLEASE NOTE: Liability and D analyses. All claims including t service. In no event shall Cardi	PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remoty 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 wahed unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In one event shall Cardinal to liable for incidental or consequential damages, including whigh unlimitation, business interpulsions, loss of uses, or loss of confise incurred by Cardinal as unknown as the complete of the confishing the property of the confishing and the confishing th	's exclusive remedy for any use whatsoever shall be de ental damages, including w	claim a emed w	rising v aived u	whethe unless	r baseo made i	in cor n writin	itract o	r tort, receiv	shall I ed by	be limi Cardir	ted to hal with	the amount paid by hin 30 days after co	the client for the mpletion of the ap	pplicable															- 1	
affiliates or successors arising of	iffliates 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	services hereunder by Car	dinal, re	gardle	ss of w	hether	such c	daim is	base	d upor	any	of the	above stated reason	ns or otherwise.	ı	ı								1				1		1	
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CHECKED BY: (Initials)

Turnaround Time:

Bacteria (only) Sample Condition

Observed Temp. °C Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:	Ensolum, LLC						BILL TO				2	SISA IVNV	_	DECLIEST		
Project Manager:	Beaux Jennings				P.O. #:	*			-	1	-			- E		1
Address: 601 N. I	601 N. Marienfeld St. STE 400	100			Con	Company:	Oxy USA,	Inc.		_						
City: Midland		State: TX	Zip:	79701	Attn:		de Dittrich									
Phone #: 210-219-8858	8858	Fax #:			Add	Address:			<u> </u>							
Project #: 0381417138	417138	Project Owner:			City:				00							_
Project Name: Nimi +2	nitz MDP113	3 Fecleral	Com	n #311 H	State:	e.	Zip:						_			
Project Location:	Eddy County	4			Pho	Phone #:	575-390-2828		45		_					
Sampler Name:	6	Guadian			Fax #:	#								_		
FOR LAB USE ONLY			\dashv	MATRIX	<u>.</u>	PRESERV.	RV. SAMPLING		le							
			CHARLES OF THE OWNER,	TER R		7			ric							
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C # CONTAINER	GROUNDWAT WASTEWATER SOIL OIL SLUDGE	OTHER :	CE / COOL	DATE	TIME	Chlo							
21	FS-51	6	THE OWNER OF TAXABLE PARTY.	*		×	2	-	×		+	1	4	+	+	1
20	FS-62	6	0	×		×	5/9/24	D241	×					-		
23	FS-54	4	<u>-</u>	×		~	519124	1452	×							
			++													
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in witing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without imitation, 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.	for negligence and any other case liable for incidental or consequent for related to the performance of	ause whatsoever shall be dee uental damages, including wi if services hereunder by Card	med waiv thout limit linal, rega	red unless made in writing an atton, business interruptions, irdess of whether such claim	d received loss of use is based u	by Cardin by Cardin o, or loss o	and within 30 days after c al within 30 days after c f profits incurred by clie f the above staled reaso	y the client for the apompletion of the apompletion of the apompletion of the apompletic and the constant of t	pplicable							
Relinquished By:		Date: \$/10/24 Time: 026	Recei	Received/By:		The	& Section of the sect	Verbal Result: ☐ Yes All Results are emailed. Ple BJennings@ensolum.com	It: Yes	Please	No Add'I Phone provide Email add	Add'l Phone #: ide Email addres	ss:	#: Possium:com	6037	
Kelinquished By:		Date:	Recei	Received By:				REMARKS:								
Delivered By: (Circle One)		Observed Temp. *C	6	O I	9	SHE	вү:	Turnaround Time:		Standard	A	Bacteria	(only) S	sample C	Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	,	A Yes A Yes	0	1	· O I	Thermometer ID #143- Correction Factor -0.5°C	D #113* tor -0.5°C	16 3/10/	4	Cool Intact		Observe	Observed Temp. °C Corrected Temp. °C	



May 16, 2024

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NIMITZ MDP1 13 1 FED COM #311H

Enclosed are the results of analyses for samples received by the laboratory on 05/10/24 10:26.

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

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/10/2024 Sampling Date: 05/10/2024

Reported: 05/16/2024 Sampling Type: Soil

Project Name: NIMITZ MDP1 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: OXY 32.222561, -103.992187

Sample ID: SW - 7 0-4' (H242557-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.1	2.00	7.48	
Toluene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.76	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.31	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.14	102	6.00	5.93	
Total BTEX	<0.300	0.300	05/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/13/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2024	ND	179	89.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	183	91.3	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 05/10/2024 Sampling Date:

Reported: 05/16/2024
Project Name: NIMITZ MDP1 13 1 FED COM #311H

Project Number: 03B1417138

Project Location: OXY 32.222561, -103.992187

impling Date: 05/10/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 8 0-4' (H242557-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.1	2.00	7.48	
Toluene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.76	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.31	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.14	102	6.00	5.93	
Total BTEX	<0.300	0.300	05/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/13/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2024	ND	179	89.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	183	91.3	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 05/10/2024 Sampling Date: 05/10/2024

Reported: 05/16/2024 Sampling Type: Soil

Project Name: NIMITZ MDP1 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY 32.222561, -103.992187

Sample ID: SW - 9 0-4' (H242557-03)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.1	2.00	7.48	
Toluene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.76	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.31	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.14	102	6.00	5.93	
Total BTEX	<0.300	0.300	05/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/14/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2024	ND	179	89.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	183	91.3	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 05/10/2024 Sampling Date: 05/10/2024

Reported: 05/16/2024 Sampling Type: Soil

Project Name: NIMITZ MDP1 13 1 FED COM #311H Sampling Condition: Cool & Intact Project Number: 03B1417138 Sample Received By: Tamara Oldaker

Project Location: OXY 32.222561, -103.992187

Sample ID: SW - 10 0-4' (H242557-04)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.1	2.00	7.48	
Toluene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.76	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.31	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.14	102	6.00	5.93	
Total BTEX	<0.300	0.300	05/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/14/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2024	ND	179	89.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	183	91.3	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/10/2024 Sampling Date: 05/10/2024

Reported: 05/16/2024 Sampling Type: Soil

Project Name: NIMITZ MDP1 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: OXY 32.222561, -103.992187

Sample ID: SW - 11 0-4' (H242557-05)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.1	2.00	7.48	
Toluene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.76	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.31	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.14	102	6.00	5.93	
Total BTEX	<0.300	0.300	05/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/14/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2024	ND	179	89.6	200	2.08	
DRO >C10-C28*	22.1	10.0	05/13/2024	ND	183	91.3	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/10/2024 Sampling Date: 05/10/2024

Reported: 05/16/2024 Sampling Type: Soil

Project Name: NIMITZ MDP1 13 1 FED COM #311H Sampling Condition: Cool & Intact
Project Number: 03B1417138 Sample Received By: Tamara Oldaker

Project Location: OXY 32.222561, -103.992187

Sample ID: SW - 12 0-4' (H242557-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.1	2.00	7.48	
Toluene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.76	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.31	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.14	102	6.00	5.93	
Total BTEX	<0.300	0.300	05/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/14/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2024	ND	179	89.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	183	91.3	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.2	% 49.1-14	8						

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Celey D. Keine



Tamara Oldaker

Analytical Results For:

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

Received: 05/10/2024 Sampling Date: 05/10/2024

Reported: 05/16/2024 Sampling Type: Soil
Project Name: NIMITZ MDP1 13 1 FED COM #311H Sampling Condition: Cool & Intact

Project Number: 03B1417138 Sample Received By:

Project Location: OXY 32.222561, -103.992187

Sample ID: SW - 13 0-4' (H242557-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.1	2.00	7.48	
Toluene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.76	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.98	99.1	2.00	6.31	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	6.14	102	6.00	5.93	
Total BTEX	<0.300	0.300	05/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/14/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2024	ND	179	89.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	05/13/2024	ND	183	91.3	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/13/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

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Celeg & Freene



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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

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

Common Manager Programme						
Company Name: Ensolum, LLC			BILL TO		ANALYSIS REO	REQUEST
Project Manager: Beaux Jennings	ings		P.O. #:		- 1	
Address: 601 N Marienfeld Street, Suite 400	reet, Suite 400		Company: Oxy USA Inc.	nc		
City: Midland	State: TX Zi	Zip: 79701	Attn: Wade Dittrich			
Phone #: 210-219-8858	Fax #:		Address:			
Project #: 038141713	8 Project Owner:		City:)	
Project Name: Nimitz	MDP 1131 Federal	Com # 311 1+	State: Zip:		00	
Project Location: Adv Co	anty		#: 575	1	5	
Sampler Name: Tabitho	Guadian		Fav #)2	4	
EOR AR I ISE ONLY	123	L		30	(
FOR DAB USE ONLY	IP.	MATRIX	PRESERV. SAN	SAMPLING	de	
Lab I.D. Sample I.D.	I.D. Depth (feet)	NTAINERS JNDWATER EWATER	BASE:	TEX	nloric	
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2000	0 4 0	< 7	N 5/10/14	2 x 2 HLO	×	
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11-MS 5) , h-0	7	K7(8/7) X	X X AHCO		
21-MS 9	J. h-0	×	K119115 N	0,	× /	
51-MC/	0-4, 6	7	X STWIL	0752 x x	X	
analyses. All claims including those for negligence and any other causes windower state of your any oward arising whether based in contract or fort, shall be limited to the amount paid by the client for the service. In or event shall cardinal beta limited to the amount paid by the client for the service. In or event shall cardinal beta limited to the amount paid by the client for the service. In or event shall cardinal beta 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 our of or related in the newforms.	d any other cause whatsoever shall be deemed tall or consequental damages, including without teleproperate for a feet of the consequental damages, including without the feet of the consequental damages.	n arising whether based in contract or divaried unless made in writing and red limitation, business interruptions, loss	tort, shall be limited to the amount pai ceived by Cardinal within 30 days afte of use, or loss of profits incurred by c	d by the client for the r completion of the applicable lient, its subsidiaries,		
Relinquished By:	Date: Re	Received By: Verbal Re	UNI I I	Verbal Result:	□ No Add'l Phone #:	
Relinquished By:	10	Memora L	Malabar	Klowers @	All Results are emailed. Please provide Email address:	
		Neceived by:		REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Temp.	Sample Cor Cool Inta	CHECKED BY: (Initials)	Turnaround Time:	S	Sample Condition Observed Temp. °C
FURM-006 K 3.2 10/0/121	+	No No	A.C.	Correction Factor 0.5°C	#1# Sto/34 No No (Corrected Temp. °C

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

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

QUESTIONS

Action 356405

QUESTIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	356405
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400330251
Incident Name	NAPP2400330251 NIMITZ MDP1 13 1 FEDERAL COM. #311H @ 0
Incident Type	Blow Out
Incident Status	Reclamation Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NIMITZ MDP1 13 1 Federal Com. #311H
Date Release Discovered	12/31/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 50 BBL Recovered: 20 BBL Lost: 30 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 10 BBL Recovered: 5 BBL Lost: 5 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 356405

Phone: (505) 476-3470 Fax: (505) 476-3462	
QUEST	IONS (continued)
Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 356405
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Wade Dittrich

Title: Environmental Coordinator

Email: wade_dittrich@oxy.com

Date: 06/20/2024

I hereby agree and sign off to the above statement

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

QUESTIONS, Page 3

Action 356405

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	356405
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 to 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 51 and 75 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)	
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 500 and 1000 (ft.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Between 1 and 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 pro	ovided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil conta	amination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
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	h, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	8660	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6832	
GRO+DRO (EPA SW-846 Method 8015M)	2282	
BTEX (EPA SW-846 Method 8021B or 8260B)	1	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	12/31/2023	
On what date will (or did) the final sampling or liner inspection occur	05/10/2024	
On what date will (or was) the remediation complete(d)	05/10/2024	
What is the estimated surface area (in square feet) that will be reclaimed	25752	
What is the estimated volume (in cubic yards) that will be reclaimed	2643	
What is the estimated surface area (in square feet) that will be remediated	25752	
What is the estimated volume (in cubic yards) that will be remediated	2643	
These estimated dates and measurements are recognized to be the best guess or calculate	tion 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.

District I

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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 356405

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	356405
l l	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
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.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state Not answered.	
OR is the off-site disposal site, to be used, an NMED facility Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process) Not answered.	

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 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: 06/20/2024

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

QUESTIONS, Page 5

Action 356405

QUESTIONS	(continued)
QUESTIONS:	COHUHUCU <i>i</i>

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	356405
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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

District I

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District III
1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV**1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 6

Action 356405

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	356405
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 341094	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/09/2024
What was the (estimated) number of samples that were to be gathered	48
What was the sampling surface area in square feet	14400

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	25752	
What was the total volume (cubic yards) remediated	2643	
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	25752	
What was the total volume (in cubic yards) reclaimed	2643	
Summarize any additional remediation activities not included by answers (above)	NA 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.

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade_dittrich@oxy.com
Date: 06/20/2024

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

QUESTIONS, Page 7

Action 356405

QUESTIONS (continued)	
	OGRID:

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	356405
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	Yes	
What was the total reclamation surface area (in square feet) for this site	25752	
What was the total volume of replacement material (in cubic yards) for this site	2643	
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.		
Is the soil top layer complete and is it suitable material to establish vegetation	Yes	
On what (estimated) date will (or was) the reseeding commence(d)	06/04/2024	
Summarize any additional reclamation activities not included by answers (above)	NA	
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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. Name: Wade Dittrich		

Title: Environmental Coordinator

Email: wade_dittrich@oxy.com Date: 06/20/2024

I hereby agree and sign off to the above statement

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

QUESTIONS, Page 8

Action 356405

QUESTIONS	(continued)
QUESTIONS!	COH I III I I I I C C I I

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	356405
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 356405

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	356405
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By		Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2400330251 NIMITZ MDP1 13 1 FEDERAL COM. #311H, thank you. This Remediation Closure Report is approved.	6/27/2024