

#### **REVISED REMEDIATION CLOSURE REPORT**

Property:

Maris Federal #001

Unit C, S9, T26S, R29E 32.061967° N, 103.991238° W Eddy County, New Mexico API: 30-015-27011 NMOCD Incident ID: nAPP2402241037

June 19, 2025

Ensolum Project No. 03B1417142

Prepared for:

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

Attn: Jessica Kent

Prepared by:

Kelly Lowery, GID Project Geologist

Beaux Jennings Associate Principal

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#### Unit C, S9, T26S, R29E 32.061967° N, 103.991238° W Eddy County, New Mexico API: 30-015-27011 NMOCD Incident ID: nAPP2402241037

#### Ensolum Project No. 03B1417142

#### 1.0 INTRODUCTION

#### 1.1 Site Description and Background

Operator:	Oxy USA, INC.		
Site Name:	Maris Federal #001		
Location:	Unit C, Section 9, Township 26 South, Range 29 East American Petroleum Institute (API): 30-015-27011 32.061967° N, 103.991238° 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)		

On January 21, 2024, Oxy had a release of produced oil at the Site due to seal/packing issues on the wellhead. Approximately 10 barrels (bbls) of produced oil were released onto the ground surface and partly off-pad along Pioneer Natural Resources' (Pioneer) right-of-way (ROW). The well was shut in for repairs, and a vacuum truck was immediately deployed to the Site to recover the remaining standing fluid, with 6 bbls of produced oil recovered. Oxy subsequently reported the release to the New Mexico EMNRD OCD via a report through the online notice of release (NOR) form on January 22, 2024. The release was assigned Incident Number nAPP2402241037.

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**.

Subsequent to excavation and remediation activities, a Closure Report was prepared and submitted to the New Mexico EMNRD OCD on November 22, 2024, for approval. On December 30, 2024, the New Mexico EMNRD OCD rejected the Closure Report. Steps were subsequently taken by Oxy to address the requirements needed for closure.

The denial correspondence can be found as **Supporting Documentation** in **Appendix B**.

#### 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.



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#### 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**.

- No exploratory water wells were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database.
- The Site is located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database, there are no private, domestic freshwater wells used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database, no freshwater wells have been identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to New Mexico Statute Annotated (NMSA) 1978, Section 3-27-3.
- The Site is located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps, and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is located within an unstable area, also referred to as medium 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:



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CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE				
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit	
	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg	
≤ 50 feet	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 January 21, 2024, Oxy had a release of produced oil at the Site due to seal/packing issues on the wellhead. Approximately 10 bbls of produced oil were released onto the ground surface and partly off-pad along the Pioneer ROW. The well was shut in for repairs and a vacuum truck was immediately deployed to the Site to recover the remaining standing fluid, with 6 bbls of produced oil recovered. Following the submittal of an emergency New Mexico One-Call (NM-811), corrective action activities were commenced by Tex-Mex Rentals and Services (Tex-Mex) utilizing a backhoe, pressure washer, and a skid steer to scrape and remove impacted soils.

On March 5, 2024, Ensolum arrived on-Site to collect 108 composite soil samples from the excavation floor (FS-1 through FS-108) at depths ranging from 3 to 18 inches below ground surface (bgs) and five composite soil samples from the excavation sidewalls (SW-1 through SW-5) at depths of 0-18 inches bgs. Additionally, six confirmation delineation soil samples (DS-1 through DS-6) were collected at locations between one and two feet outside of the excavation area at a depth of 0-3 inches bgs. Based on laboratory analytical data, additional excavation and/or remediation was required.

On April 29, 2024, subsequent to additional excavation activities, Ensolum arrived on-Site to collect seven composite soil samples from the excavation floor (FS-28, FS-29, FS-30, FS-65, FS-66, FS-78, and FS-87) at depths ranging from 3 to 24 inches bgs, and six composite soil samples from the excavation sidewalls (SW-28, SW-29, SW-30, SW-65, SW-66, and SW-87) at depths of 0-24 inches bgs.

On May 10, 2024, and July 2, 2024, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect three composite soil samples from the excavation floor (FS27, FS-34, and FS-51) at depths ranging from 6 to 20 inches bgs, and three composite soil samples from the excavation sidewalls (SW-1, SW-3, and SW-5) at depths ranging from 0-18 to 0-36 inches bgs.

After careful review of the previous sampling events, it was determined that additional sampling was needed. On October 23, 2024, Ensolum arrived on-Site to collect 32 composite soil samples from the excavation floor (FS-2, FS-5, FS-6, FS-8, FS-10, FS-12, FS-13, FS-15, FS-18, FS-58 though FS-64, FS-67 through FS-79, and FS-84 through FS-86) at depths ranging from 4-19 inches bgs utilizing hand tools to collect the 5-point composite samples.



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On November 22, 2024, a Closure Report was prepared and submitted to the New Mexico EMNRD OCD for approval.

On December 30, 2024, the New Mexico EMNRD OCD rejected the Closure Report. Steps were subsequently taken by Oxy to address the requirements needed for closure.

From March 18, 2025 through May 12, 2025, based on the request from the New Mexico EMNRD OCD and subsequent to excavation activities to remove soils in the areas of concern, Ensolum was on-Site to collect 42 composite soil samples from the excavation floor (FS-2, FS-5, FS-6, FS-8, FS-10, FS-12, FS-13, FS-15, FS-18, FS-27 though FS-31, FS-34, FS-51, FS-58 through FS-79, and FS-84 though FS-87) at depths ranging from 4 to 144 inches bgs and 18 composite soil samples from the excavation sidewalls (SW-1, SW-3, SW-5, and SW-06 though SW-20) at depths ranging from 0-12 inches to 0-144 inches bgs. During this time, excavation sidewall soil samples SW-28 though SW-30, SW-65, SW-66, and SW-87 were removed due to additional excavation activities in these areas.

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

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 chlorides in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release ( $\leq$  50 feet) (NMOCD Closure Criteria).

The final excavation area measured approximately 190 feet long and 167 feet wide at the maximum extents, with a depth ranging from 3 to 144 inches bgs.

The lithology encountered during the completion of closure activities consisted primarily of gravelly loam, with some stony loam present.

The excavation measured approximately 21,687 square feet in arial extent. A total of approximately 1,134 cubic yards (cy) of soil were excavated from the Site and hauled off for proper disposal at the Lea Land Facility located in Hobbs, New Mexico. After confirmation sampling was completed, the backfill of the excavation was completed utilizing material purchased locally from the OnSuarez Pit and re-contoured to match pre-existing conditions. A BLM-approved seed mixture will be sown into the pasture area near the Pioneer ROW as outlined in the Reclamation Plan.

**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 5, 2024, through May 12, 2025, included the collection of a total of 192 composite soil samples from 108 locations from the excavation floor (FS-1 through FS-108), 32 composite soil samples from 26 locations from the excavation sidewalls (SW-1 through SW-5, SW-06 though SW-20, SW-28, SW-29, SW-30, SW-65, SW-66, and SW-87), and six delineation soil samples from six locations around the excavation (DS-1 through DS-6). Additionally, one composite soil sample was collected from the backfill material (OnSuarez Pit) on September 30, 2024, prior to use at the Site.



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

#### 5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX following the United States Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO following EPA SW-846 Method 8015M/D, and chloride using SM4500CI-B.

Laboratory analytical results are summarized in **Table 1** and **Table 2** 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 to laboratory sample detection limits (SDLs) associated with the soils remaining in place at the Site to the applicable NMOCD Closure Criteria. The final composite soil samples collected from the excavation extent and overspray extent were compared to the NMOCD Closure Criteria for Soils Impacted by a Release.

- Laboratory analytical results indicated benzene concentrations for the soils remaining in place at the Site and the backfill material did not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicated that total BTEX concentrations for the soils remaining in place at the Site and the backfill material did not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicated combined TPH-GRO/DRO/MRO concentrations for the soils remaining in place at the Site and the backfill material did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg.
- Laboratory analytical results indicated chloride concentrations for the soils remaining in place at the Site and the backfill material did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 600 mg/kg.

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

#### 7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. A composite soil sample was collected from the backfill material (OnSuarez Pit) prior to use at the Site. The excavated area was backfilled with clean fill material and then contoured to the original surrounding grade. The release occurred both on-pad and in the pasture along the Pioneer ROW 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 vegetative zone that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses reclamation of the off-pad area:

• The excavation was backfilled with locally sourced caliche and topsoil to match the surrounding grade;



- Soil in the vicinity of the release includes predominately gravelly loam, with some stony loam present;
- The off-pad backfilled areas will be seeded utilizing a weed-free seed mix designed by the BLM to meet reclamation standards for this region: Pecos District, BLM Seed Mix for Loamy, SD-3 Ecological Site.
- The seed mixture will be distributed with one of the following methods: push broadcaster seed spreader / tractor-operated broadcast seed spreader / drill seeding / other means;
- Application of the seed mixture will be at a coverage of either 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method, whichever is more applicable;
- Erosion control management will potentially include:
  - The placement of 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 has already been completed;
- Seeding will be completed in the spring/summer when temperatures and precipitation are most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess the success of regrowth. If necessary, an additional application of the BLM-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion.

#### 8.0 FINDINGS AND RECOMMENDATION

- On January 21, 2024, Oxy had a release of produced oil at the Site due to seal/packing issues on the wellhead. Approximately 10 bbls of produced oil were released onto the ground surface and partly off-pad along the Pioneer ROW. The well was shut in for repairs, and a vacuum truck was immediately deployed to the Site to recover the remaining standing fluid, with 6 bbls of produced oil recovered.
- On November 22, 2024, subsequent to excavation and remediation activities, a Closure Report was prepared and submitted to the New Mexico EMNRD OCD for approval.
- On December 30, 2024, the New Mexico EMNRD OCD rejected the Closure Report. Steps were subsequently taken by Oxy to address the requirements needed for closure.
- Ensolum's soil sampling program from March 5, 2024, through May 12, 2025, included the collection of a total of 192 composite soil samples from 108 locations from the excavation floor (FS-1 through FS-108), 32 composite soil samples from 26 locations



from the excavation sidewalls (SW-1 through SW-5, SW-06 though SW-20, SW-28, SW-29, SW-30, SW-65, SW-66, and SW-87), and six delineation soil samples from six locations around the excavation (DS-1 through DS-6). Additionally, one composite soil sample was collected from the backfill material (OnSuarez Pit) prior to use at the Site. The soil samples were collected at depths ranging from 3 to 144 inches 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 190 feet long and 167 feet wide at the maximum extents, with a depth ranging from 3 to 144 inches bgs.
- Based on laboratory analytical results, the final composite soil samples within the impacted area, final confirmation delineation soil samples, and the backfill material did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO, or chloride concentrations above the applicable NMOCD Closure Criteria.
- After completion of confirmation sampling, the backfill of the excavation was completed utilizing material purchased locally from the OnSuarez Pit and recontoured to match pre-existing conditions. A BLM-approved seed mixture will be sown into the pasture area along the Pioneer pipeline ROW as outlined in the 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)



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is prohibited without the express written authorization of Oxy USA Inc. and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the Closure Report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.





APPENDIX A

Figures

Received by OCD: 6/20/2025 10:04:43 AM



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PROJECT NUMBER: 03B1417142

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FIGURE

5





## **Backfill Site Map**

**Onsuarez** Pit 32.2443611° N, 104.0383333° W Eddy County, New Mexico



### APPENDIX B

**Supporting Documentation** 

#### **Kelly Lowery**

From:	Hamlet, Robert, EMNRD <robert.hamlet@emnrd.nm.gov></robert.hamlet@emnrd.nm.gov>
Sent:	Wednesday, March 20, 2024 3:18 PM
То:	Kelly Lowery
Cc:	Wade_Dittrich@oxy.com; Tyson_Pierce@oxy.com; Beaux Jennings; Bratcher, Michael,
	EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject:	RE: [EXTERNAL] Maris Federal #001 (Incident ID: nAPP2402241037) - Closure Criteria
	Variance Request

You don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

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

Kelly,

The closure criteria variance request to reflect groundwater >100 feet is denied. The borehole located 0.67 miles east of the release area is outside of the ½ mile requirement. There appears to be no wells within a 1/2 radius of the release location over 100' depth to groundwater. If you feel the depth to groundwater is >100', a shallow borehole can be drilled to 101' allowing for verification of the depth. If water is not visible after reaching bottom-hole and waiting 72 hours, the OCD will accept this as evidence. We would just need a copy of the driller's log.

Regards,

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: Wednesday, March 20, 2024 1:18 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Maris Federal #001 (Incident ID: nAPP2402241037) - Closure Criteria Variance Request

From: Kelly Lowery <<u>klowery@ensolum.com</u>>
Sent: Wednesday, March 20, 2024 12:10 PM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>
Cc: Dittrich, John W <<u>Wade\_Dittrich@oxy.com</u>>; Pierce, Tyson (Legacy Safety & Consulting LLC)
<<u>tyson\_pierce@oxy.com</u>>; Beaux Jennings <<u>bjennings@ensolum.com</u>>
Subject: [EXTERNAL] Maris Federal #001 (Incident ID: nAPP2402241037) - Closure Criteria Variance Request

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 Closure Criteria Variance for the Maris Federal #001 (Incident ID: nAPP2402241037), hereinafter referred to as the "Site", for the following: DTW at the Site and proximity to a "Wetland".

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• A stuffing box malfunctioned resulting in approximately 10 barrels of oil to be released, with the majority of the release remaining on-pad. Oxy immediately recovered 6 barrels of the oil. The Site will be vertically and laterally delineated per NMAC 19.15.29.

Attached is groundwater research from the surrounding area of the release Site. The closest NMOSE well indicates depth to groundwater greater than 100 feet bgs. The nearest borehole (C-04745-POD1) with depth to groundwater data is located 0.67 miles east of the Site and has a recorded total depth of the well at 106 feet bgs with no groundwater encountered from April 2023.

Additionally, although the National Wetlands Inventory website depicts a "Wetland Riverine" to the north of the Site, the USGS National Water Dashboard does not define this area as a "Wetland Riverine" and has no symbology present for any type of continuously flowing watercourse or significant watercourse. Photos collected with the "Wetland Riverine" are included in Attachment A, which also depicts the Site Criteria for the area and the proximity of the aforementioned NMOSE well (C-04745-POD1). A screenshot of the Site on the USGS National Water Dashboard is also included.

The National Wetlands Inventory defines a Riverine as the following: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergent, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.

As defined in NMAC 19.15.17.7:

"Continuously Flowing Watercourse" means a river, stream or creek that is named or delineated by a solid blue line on a USGS quadrangle map having a scale factor of 1:24,000, or an irrigation channel, or a water course that typically has water flowing during the majority of days of the year. This does not include ephemeral washes, arroyos, and similar depressions that do not have flowing water during the majority of the days of the year.

"Significant Watercourse" means a watercourse with a defined bed and bank either named or identified by a dashed blue line on a USGS 7.5 minute quadrangle map or the next lower tributary with a defined bed and bank of such watercourse.

Based on the above statements regarding DTW at the Site being greater than 100 feet bgs, and that the USGS National Water Dashboard does not recognize the area to the north of the Site having a "Wetland Riverine" channel, continuously flowing watercourse, or a significant watercourse as defined in NMAC 19.15.17.7, Ensolum requests a Closure Criteria Variance to reflect groundwater >100 feet as shown in Table 1 of 19.15.29.12 NMAC for on-pad remediation, and for any off-pad remediation greater than 4 feet bgs.

Please let me know if you have any questions,



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NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

# IL GENERAL/WELLOWNERSHIP: Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: To be assigned CuUTUS for Name of well owner: Solaris Water Midstream Mailing address: Solaris Water Midstream City: Carlsbad Phone number: 469-978-5620 E-mail: rob.kirk@solariswater.com

#### III, WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: \_\_\_\_\_\_\_ Jason Maley with Vision Resources

New Mexico Well Driller License No.: WD 1690	Expiration Date:	10/07/2023
MD 1832		

#### **IV.\_WELL\_INFORMATION:**

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

 1)
 GPS Well Location:
 Latitude: \_\_\_\_\_32 deg, \_\_\_\_03 min, \_\_\_42.7680 sec Longitude: \_\_\_\_\_04 deg, \_\_\_\_\_58 min, \_\_\_\_47.3880 sec, WGS84

 □
 Check if seconds are decimal format.

2) Reason(s) for plugging well:

The test boring will be drilled to evaluate for the absence or presence of groundwater less than 105-ft at salt water spill location.

- 3) Was well used for any type of monitoring program? <u>no</u> If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.
- 4) Does the well tap brackish, saline, or otherwise poor quality water? <u>no, dry</u> If yes, provide additional detail, including analytical results and/or laboratory report(s):

OSE DIT MAY 18 2023 PM2:43

5) Static water level: \_\_\_\_\_\_ feet below land surface / feet above land surface (circle one)

6) Depth of the well: -106 feet

/)	Inside diameter of innermost casing:inches.
8)	Casing material:
9)	The well was constructed with: an open-hole production interval, state the open interval: no water, test boring only, open 0 to TD
	a well screen or perforated pipe, state the screened interval(s): no water, no well constructed
10)	What annular interval surrounding the artesian casing of this well is cement-grouted? no casing or gravel pack
11)	Was the well built with surface casing? <u>no well</u> If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? <u>no seal</u> If yes, please describe:
	open 6.25-inch boring

no casino

12) Has all pumping equipment and associated piping been removed from the well? <u>none installed</u> If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

#### V. DESCRIPTION OF PLANNED WELL PLUGGING:

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal.

 Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

Well to be plugged with bentonite chips. Hydrate at 5-gallons per sack. Bentonite and water added in lifts. Bentonite below 20-ft to total depth will be tremied in.

2) Will well head be cut-off below land surface after plugging? <u>no well head</u>

#### VL\_PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 22.4-cubic feet
- 4) Type of Cement proposed: no cement
- 5) Proposed cement grout mix: no slurry \_\_\_\_\_gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: NA batch-mixed and delivered to the site

NA mixed on site

0SE DII MAY 18 2023 M2:49

Well Plugging Plan Version: 06/30/2017 Page 2 of 5

#### 7) Grout additives requested, and percent by dry weight relative to cement:

Grout not planned

8)

Additional notes and calculations:

#### <u>VII. ADDITIONAL INFORMATION:</u> List additional information below, or on separate sheet(s):

Boring to be drilled as a test boring to 106-ft, Will add bentonite chips and water in lifts to abandon.

#### VIII. SIGNATURE:

I, <u>Rob Kirk</u>, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant Date

#### IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

052 DIT MAY 1.9 2023 PMZ 43

Approved subject to the attached conditions. Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this <u>for</u> day of <u>for</u>, <u>ATA</u> Mike A. Hamman, P.E., New Mexico State Engineer By: Samantha Davis Water Resources Professional II Well Plugging Plan Version: 06/30/2017 Page 3 of 5

## TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

A STATE OF A	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	Does Not Apply (DNA)		
Bottom of proposed interval of grout placement (ft bgl)	DNA		
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch- mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement		03	E 037 MAY 18 2023 × 2:43

Well Plugging Plan Version: 06/30/2017 Page 4 of 5

.

## TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

A TRUNK TO STR. A MISS D	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	1-ft. Fill to one-ft below ground surface. Top 1-ft will be filled with soil backfill.		
Bottom of proposed sealant of grout placement (ft bgl)	Bottom 106-ft 0 to 20': pour from surface 20 to 105': tremie in bentonite chips.		
Theoretical volume of sealant required per interval (gallons)	22.5-cubic feet 168 gallons of water		
Proposed abandonment sealant (manufacturer and trade name)	Wyoming Bentonite		

DSE OTT MAY 18 2023 PM2:40

Well Plugging Plan Version: 06/30/2017 Page 5 of 5

#### Received by OCD: 6/20/2025 10:04:43 AM





Released to Imaging: 6/26/2025 1:37:07 PM



STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER ROSWELL

> 1900 West Second St. Roswell, New Mexico 88201 Phone: (575) 622-6521 Fax: (575) 623- 8559

Applicant has identified a well, listed below, to be plugged. Jason Maley (WD-1833) will perform the plugging.

Permittee: Solaris Water Midstream NMOSE Permit Number: C-4745-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4745- POD1	6.25	106	Unknown	32° 03' 42.77"	103° 58' 47.39''

#### Specific Plugging Conditions of Approval for Well located in Eddy County.

- Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.
- 2. Ground Water encountered: The total theoretical volume of sealant required for abandonment of the 6.25 inch diameter (I.D.) casing is approximately 169 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 106 feet below ground surface (b.g.s.).
- 3. Dry Hole: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 16.0 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 10 feet.
- 4. <u>Ground Water encountered:</u> Bentonite chips is the approved sealant. When bentonite chips are added above static water level, a minimum of 5-gallons of fresh water shall be added to the borehole per 50-lb of bentonite chips.
- 5. **<u>Dry Hole:</u>** (a) Drill cuttings up to ten feet of land surface. (b) 10 feet to 0 feet Bentonite Chips. The bentonite shall be hydrated separately with its required increments of water.

- 6. Placement of the sealant within the wells shall be by tremie pipe extending to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner that displaces the standing water column. The tremie shall be incrementally removed to retain the tremie bottom a limited distance above the top of the rising column of chips throughout the plugging process.
- 7. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.
- 8. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.
- 9. NMOSE witnessing of the plugging of the non-artesian well will not be required.
- 10. Any deviation from this plan <u>must</u> obtain an approved variance from this office prior to implementation.
- 11. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

The NMOSE Well Plugging Plan of Operations is hereby approved with the aforesaid conditions applied.



Witness my hand and seal this 5th day of June, 2023

Mike A. Hamman, P.E. State Engineer By: Samantha Davis Water Resources Professional II



STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER ROSWELL

Mike A. Hamman, P.E.

State Engineer

DISTRICT II 1900 West Second St. Roswell, New Mexico 88201 Phone: (575) 622-6521 Fax: (575) 623-8559

June 5, 2023

Solaris Water Midstream 3305 Boyd Drive Carlsbad, NM 88220

RE: Well Plugging Plan of Operations for well no. C-4745-POD1

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced well subject to the attached Conditions of Approval. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer. subject to the attached Conditions of Approval.

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Future applications need to be submitted in triplicate.

Well Plugging Plan of Operations form (WD-08) has been updated.

Current form can be found on the OSE website at the following site https://www.ose.state.nm.us/Statewide/wdForms.php.

Sincerely.

Samantha Davis Water Resources Professional II

#### **Kelly Lowery**

From: Sent:	Hamlet, Robert, EMNRD <robert.hamlet@emnrd.nm.gov> Friday, April 19, 2024 9:06 AM</robert.hamlet@emnrd.nm.gov>
To:	Kelly Lowery
Cc:	wade_dittrich@oxy.com; Tyson_Pierce@oxy.com; Beaux Jennings; Bratcher, Michael,
	EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject:	Extension Request: Maris Federal #001 (nAPP2402241037)

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

#### RE: Incident #NAPP2402241037

#### Kelly,

Your request for a 90-day extension to **July 18th, 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: Thursday, April 18, 2024 4:35 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request: Maris Federal #001 (nAPP2402241037)

From: Kelly Lowery <<u>klowery@ensolum.com</u>> Sent: Thursday, April 18, 2024 4:00 PM To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>> Cc: Dittrich, John W <<u>Wade\_Dittrich@oxy.com</u>>; Pierce, Tyson (Legacy Safety & Consulting LLC) <<u>tyson\_pierce@oxy.com</u>>; Beaux Jennings <<u>bjennings@ensolum.com</u>> Subject: [EXTERNAL] Extension Request: Maris Federal #001 (nAPP2402241037)

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 Maris Federal #001 (nAPP2402241037). Excavation activities are currently being conducted at the Site and require more time due to the area having a higher-than-normal volume of traffic, which limits the amount of work that can be conducted each day and scheduling conflicts with the excavation crews. I have attached a few representative photos of the area. Please let us know if you have any questions.

Thank you,



#### **Kelly Lowery**

From: Sent:	Hamlet, Robert, EMNRD <robert.hamlet@emnrd.nm.gov> Friday, July 19, 2024 8:54 AM</robert.hamlet@emnrd.nm.gov>
To:	Kelly Lowery
Cc:	Dittrich, John W; Beaux Jennings; Pierce, Tyson (The Bergaila Company); Bratcher,
	Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject:	Extension Request - Maris Federal #001 (nAPP2402241037)

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

RE: Incident # NAPP2402241037

#### Kelly,

OCD Permitting has been revamped recently and automatically defaults to 90 days for a Remediation Closure Report Extension, which this appears to be. An extension to **October 17th, 2024** is approved. This will be the **final extension** for this release. 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: Wednesday, July 17, 2024 8:49 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Maris Federal #001 (nAPP2402241037)

From: Kelly Lowery <<u>klowery@ensolum.com</u>>

Sent: Wednesday, July 17, 2024 8:01 AM

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

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

Subject: [EXTERNAL] Extension Request - Maris Federal #001 (nAPP2402241037)

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 30-day extension for the Maris Federal #001 (nAPP2402241037). Due to delays in scheduling with contractors and various team members, additional excavation activities at the Site have recently been completed to meet the Closure Criteria Limits specific to this location and pending analytical report, we will begin the drafting the Closure for this Site . We humbly ask for an extension so that we may wrap up the Site fully and complete the report so that it can be thoroughly reviewed before submitting the final copy to the portal. Please let us know if you have any questions.

Thank you,



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

#### **Kelly Lowery**

From:	Dittrich, John W <wade_dittrich@oxy.com></wade_dittrich@oxy.com>
Sent:	Tuesday, December 31, 2024 10:45 AM
To:	Kelly Lowery; Hadlie Green
Cc:	Samantha MacKenzie; Georgiana McSwane
Subject:	Fw: The Oil Conservation Division (OCD) has rejected the application, Application ID: 405804

<mark>[ \*\*EXTERNAL EMAIL\*\*]</mark> Maris Federal #1-1/21/2024

#### Wade Dittrich

Environmental Advisor New Mexico 575-390-2828 wade\_dittrich@oxy.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, December 30, 2024 4:15 PM
To: Dittrich, John W <wade\_dittrich@oxy.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 405804

# WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

To whom it may concern (c/o Wade Dittrich for OXY USA INC), The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2402241037, for the following reasons:

- Remediation closure denied for the following: 1) Pursuant to 19.15.29.12(D)1 NMAC, samples must be analyzed for all Table I constituents. When you over-excavated, samples were not tested for all Table 1 constituents.
- 2) On pg. 6 of report it states, "After careful review of the previous sampling events, it was determined that additional sampling was needed." Photos show backfilling occurred in July. Pursuant to 19.15.29.12(E) NMAC, a description of all remedial activities must be provided. In resubmission, explain if you re-excavated and/or how sampled on 10/23/24.
- 3) SW-3 was over-excavated to 36" yet there are no base samples collected at 36". Explain.
- 4) SW-28, SW-29, SW-30, SW-65, SW-66, and SW-87 are missing from Figure 3. Update. Resubmit remediation closure report to the OCD by 4/1/25.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 405804.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.
.

### **Kelly Lowery**

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Tuesday, April 1, 2025 2:28 PM
То:	Kelly Lowery
Cc:	Dittrich, John W; Kent, Jessica; Beaux Jennings; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] Extension Request - Maris Federal #001 (nAPP2402241037)

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

Hi Kelly,

This is the third and final extension that will be granted for the following release: NAPP2402241037 MARIS FEDERAL #001. The new due date to submit your remediation closure report to the OCD is June 30, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Kelly Lowery <klowery@ensolum.com>
Sent: Tuesday, April 1, 2025 12:46 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade\_Dittrich@oxy.com>; Kent, Jessica <Jessica\_Kent@oxy.com>; Beaux Jennings
<bjennings@ensolum.com>
Subject: [EXTERNAL] Extension Request - Maris Federal #001 (nAPP2402241037)

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 Maris Federal #001 (nAPP2402241037). Excavation remediation activities are currently on-going and are planned to wrap up this coming Friday, April 4<sup>th</sup> 2025 pending field screening results and cooperative weather. During recent sampling events, not all sample locations were collected due to stockpiles that were staged overtop the areas and the locations being in direct pathways that the dump trucks were utilizing to haul off soils for proper disposal. These areas are now accessible and ready to be sampled and have been scheduled for this week for completion. We

.

humbly ask for this extension to be approved so we may wrap up the Site fully and complete the Remediation Closure Report for submittal to the NMOCD portal. Please let us know if you have any questions.

Thank you,



### 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 SE		<u>0.75</u> 9.75

Certified Weed Free Seed

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

No less than 9.75 pounds pls per acre shall be applied

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



APPENDIX C

Photographic Documentation

# <text><text><text><text>

View of release extent during intitial site assessment, facing southeast (01/23/2024).



View of release extent during initial site assessment, facing northeast (01/23/2024).



Project: Maris Federal #001 Entity: Oxy USA, Inc. Project #: 03B1417142 Incident ID: nAPP2402241037

# **North East Elevation**

ENSOLUM



View of wetland assessment, facing southwest (03/01/2024).



View of wetlands assessment, facing west (03/01/2024).

Project: Maris Federal #001 Entity: Oxy USA, Inc. Project #: 03B1417142 Incident ID: nAPP2402241037

# North West Elevation

ENSOLUM



View of Plains ROW hydro-excavation extent during remediation activities, facing southeast (03/01/2024).



View of excavation extent during remediation activities, facing west (03/01/2024).

# Received by OCD: COMPANY AND ADDRESS AND A

View of excavation extent during remediation activities, facing southwest (07/02/2024).



View of backfilled & recontoured excavation extent, facing southeast (07/19/2024).

Project: Maris Federal #001 Entity: Oxy USA, Inc. Project #: 03B1417142 Incident ID: nAPP2402241037



ENSOLUM

View of backfilled & recontoured excavation extent, facing southwest (07/19/2024).



View of backfilled & reseeded Plains ROW, facing northwest (07/19/2024).

Project: Maris Federal #001 Entity: Oxy USA, Inc. Project #: 03B1417142 Incident ID: nAPP2402241037



ENSOLUM

View of additional sampling activities, facing northeast (10/23/2024).



View of additional sampling activities, facing northeast (10/23/2024).

Project: Maris Federal #001 Entity: Oxy USA, Inc. Project #: 03B1417142 Incident ID: nAPP2402241037



ENSOLUM

View of additional remediation activities, facing east (03/18/2025).



View of additional remediation activities, facing east (03/19/2025).

Project: Maris Federal #001 Entity: Oxy USA, Inc. Project #: 03B1417142 Incident ID: nAPP2402241037



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E N S O L U M

View of additional remediation activities, facing northeast (03/19/2025).



View of additional remediation activities, facing northeast (03/20/2025).

Project: Maris Federal #001 Entity: Oxy USA, Inc. Project #: 03B1417142 Incident ID: nAPP2402241037



ENSOLUM

View of additional remediation activities, facing south (04/04/2025).



View of additional remediation activities, facing southeast (05/12/2025).

Project: Maris Federal #001 Entity: Oxy USA, Inc. Project #: 03B1417142 Incident ID: nAPP2402241037



ENSOLUM

View of secondary backfill activities, facing southeast (05/22/2025).



View of secondary backfill activities, facing northwest (05/22/2025).



APPENDIX D

Table

# E N S O L U M

	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         MARIS FEDERAL #001         OXY USA, INC         EDDY COUNTY, NEW MEXICO         ENSOLUM PROJECT NO. 03B1417142									
Sample I.D.	Sample Date	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Composite Flo	or Soil Sample	Analytical Resu	ılts			
FS-1	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
ES-2	03/05/2024	-18	<0.050	<0.300	<10.0	433	<u>&lt;10.0</u>	433	433	<del>592</del>
FS-2	10/23/2024	<del>19</del>	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-2	03/20/2025	84	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS-3	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS-4	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
ES-5	03/05/2024	-18	<0.050	<0.300	<10.0	527	178	527	705	1,600
FS-5	<del>10/23/2024</del>	<del>19</del>	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
ES-5	04/04/2025	138	<0.050	<0.300	<10.0	<10.0	<u>&lt;10.0</u>	<10.0	<10.0	1,390
FS-5	05/12/2025	144	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS-6	03/05/2024	-18	<0.050	<0.300	<10.0	<10.0	<u>&lt;10.0</u>	<10.0	<10.0	960
FS-6	<del>10/23/2024</del>	<del>19</del>	NS	NS	NS	NS	NS	NS	NS	112
FS-6	03/20/2025	84	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS-7	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS-8	03/05/2024	-18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
FS-8	<del>10/23/2024</del>	<del>19</del>	NS	NS	NS	NS	NS	NS	NS	<del>16.0</del>
FS-8	03/19/2025	36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS-9	03/05/2024	18	<0.050	<0.300	<10.0	21.5	<10.0	21.5	21.5	544
FS-10	03/05/2024	<del>18</del>	<0.050	<0.300	<10.0	77.6	<del>13.2</del>	77.6	90.8	<del>1,600</del>
<del>FS-10</del>	<del>10/23/2024</del>	<del>19</del>	NS	NS	NS	NS	NS	NS	NS	384
FS-10	03/19/2025	48	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS-11	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS-12	03/05/2024	<del>18</del>	<0.050	<0.300	<10.0	<del>13.5</del>	<u>&lt;10.0</u>	13.5	13.5	1,720
<del>FS-12</del>	<del>10/23/2024</del>	<del>19</del>	NS	NS	NS	NS	NS	NS	NS	176
FS-12	03/19/2025	36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS-13	03/05/2024	<del>18</del>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<del>992</del>
FS-13	10/23/2024	19	NS	NS	NS	NS	NS	NS	NS	32.0
FS-13	03/19/2025	30	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS-14	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS-15	03/05/2024	<del>18</del>	<0.050	<0.300	<10.0	<del>190</del>	78.8	190	<del>269</del>	<del>288</del>
<del>FS-15</del>	10/23/2024	<del>19</del>	NS	NS	<10.0	<10.0	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	NS
FS-15	03/19/2025	24	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS-16	03/05/2024	18	<0.050	<0.300	<10.0	28.1	<10.0	28.1	28.1	384
FS-17	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
<del>FS-18</del>	03/05/2024	<del>18</del>	<0.050	<0.300	<10.0	<del>195</del>	4 <del>1.8</del>	<del>195</del>	<del>237</del>	272
FS-18	10/23/2024	<del>19</del>	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-18	04/04/2025	24	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-19	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS-20	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

# E N S O L U M

	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         MARIS FEDERAL #001         OXY USA, INC         EDDY COUNTY, NEW MEXICO         ENSOLUM PROJECT NO. 03B1417142									
Sample I.D.	Sample Date	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS-21	03/05/2024	18	<0.050	<0.300	<10.0	61.6	10.7	61.6	72.3	224
FS-22	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS-23	03/05/2024	18	<0.050	<0.300	<10.0	71.0	10.8	71.0	81.8	176
FS-24	03/05/2024	18	<0.050	<0.300	<10.0	59.7	<10.0	59.7	59.7	176
FS-25	03/05/2024	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS-26	03/05/2024	18	<0.050	<0.300	<10.0	53.8	11.7	53.8	65.5	208
FS-27	03/05/2024	-18	<0.050	<0.300	<10.0	218	52.5	218	271	<del>16.0</del>
<del>FS-27</del>	07/02/2024	<del>20</del>	NS	NS	<10.0	<10.0	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	NS
FS-27	03/20/2025	36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS-28	03/05/2024	<del>18</del>	<0.050	0.929	<del>79.0</del>	<del>8,370</del>	<del>2,130</del>	<del>8,449</del>	10,579	480
FS-28	04/29/2024	24	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-28	03/20/2025	36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS-29	03/05/2024	-18	<0.050	0.907	17.5	1,240	318	1,258	<del>1,576</del>	256
FS-29	04/29/2024	24	NS	NS	<10.0	15.5	<10.0	15.5	15.5	NS
FS-29	03/20/2025	36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
<del>FS-30</del>	03/05/2024	<del>18</del>	<0.050	<del>20.8</del>	<del>896</del>	<del>8,590</del>	<del>1,820</del>	<del>9,486</del>	<del>11,306</del>	608
FS-30	04/29/2024	24	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	<del>192</del>
FS-30	03/20/2025	36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS-31	03/05/2024	-18	<0.050	<u>&lt;0.300</u>	<10.0	24.7	<del>19.8</del>	24.7	44.5	32.0
FS-31	03/20/2025	36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS-32	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-33	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-34	03/05/2024	3	<0.050	<0.300	<10.0	83.8	42.7	83.8	<del>127</del>	16.0
FS-34	07/02/2024	6	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-34	03/19/2025	36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS-35	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-36	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-37	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-38	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-39	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-40	03/05/2024	3	<0.050	<0.300	<10.0	27.3	<10.0	27.3	27.3	32.0
FS-41	03/05/2024	3	<0.050	<0.300	<10.0	20.0	42.9	20.0	62.9	16.0
FS-42	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-43	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-44	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-45	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-46	03/05/2024	3	<0.050	<0.300	<10.0	62.2	23.4	62.2	85.6	64.0
FS-47	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-48	03/05/2024	3	<0.050	<0.300	<10.0	12.0	<10.0	12.0	12.0	16.0
FS-49	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

# ENSOLUM

	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         MARIS FEDERAL #001         OXY USA, INC         EDDY COUNTY, NEW MEXICO         ENSOLUM PROJECT NO. 03B1417142									
Sample I.D.	Sample Date	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS-50	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-51	03/05/2024	3	<0.050	<del>&lt;0.300</del>	<10.0	<del>149</del>	28.1	149	177	48.0
ES-51	07/02/2024	6	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-51	04/04/2025	6	<0.050	<0.300	<10.0	11.9	<10.0	11.9	11.9	160
FS-52	03/05/2024	3	<0.050	<0.300	<10.0	47.2	10.9	47.2	58.1	16.0
FS-53	03/05/2024	3	<0.050	<0.300	<10.0	34.1	<10.0	34.1	34.1	16.0
FS-54	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-55	03/05/2024	3	<0.050	<0.300	<10.0	66.0	14.7	66.0	80.7	32.0
FS-56	03/05/2024	3	<0.050	<0.300	<10.0	54.5	13.2	54.5	67.7	32.0
FS-57	03/05/2024	3	<0.050	<0.300	<10.0	15.6	<10.0	15.6	15.6	576
FS-58	03/05/2024	3	<0.050	<0.300	<10.0	653	<del>267</del>	653	920	80.0
FS-58	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-58	03/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS-59	03/05/2024	3	<0.050	<0.300	<10.0	910	338	910	<del>1,248</del>	80.0
FS-59	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-59	03/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS-60	03/05/2024	3	<0.050	<0.300	<10.0	<del>300</del>	83.5	300	384	80.0
FS-60	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-60	03/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
ES-61	03/05/2024	3	<0.050	<0.300	<10.0	836	208	836	<del>1,044</del>	240
FS-61	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-61	03/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS-62	03/05/2024	3	<0.050	<0.300	<10.0	472	141	472	613	224
ES-62	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-62	03/19/2025	12	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
ES-63	03/05/2024	3	<0.050	<0.300	<10.0	118	23.4	118	141	32.0
<del>FS-63</del>	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-63	03/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS-64	03/05/2024	3	<0.050	<0.300	<10.0	719	<del>179</del>	719	898	160
<del>FS-64</del>	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-64	03/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS-65	03/05/2024	3	<0.050	<0.300	>10.0	2,070	630	2,070	<del>2,700</del>	64.0
ES-65	04/29/2024	24	NS	NS	<10.0	15.4	<10.0	15.4	15.4	NS
FS-65	04/04/2025	24	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-66	03/05/2024	3	<0.050	<0.300	<10.0	1,270	318	1,270	1,588	208
<del>FS-66</del>	04/29/2024	24	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-66	04/04/2025	24	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS-67	03/05/2024	3	<0.050	<0.300	<10.0	703	<del>179</del>	703	<del>882</del>	160
FS-67	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-67	03/18/2025	4	<0.050	<0.300	<10.0	24.0	<10.0	24.0	24.0	256

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# E N S O L U M

TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         MARIS FEDERAL #001         OXY USA, INC         EDDY COUNTY, NEW MEXICO         ENSOLUM PROJECT NO. 03B1417142										
Sample I.D.	Sample Date	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS-68	03/05/2024	3	< <u>0.050</u>	<0.300	<10.0	650	<del>165</del>	650	815	272
FS-68	<del>10/23/2024</del>	4	NS	NS	<10.0	<10.0	<10.0	<del>&lt;10.0</del>	<10.0	NS
FS-68	03/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS-69	03/05/2024	3	<0.050	<0.300	<10.0	135	20.0	135	155	128
<del>FS-69</del>	<del>10/23/2024</del>	4	NS	NS	<10.0	<10.0	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	NS
FS-69	03/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
<del>FS-70</del>	03/05/2024	3	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<10.0	<del>118</del>	<del>19.0</del>	<del>118</del>	<del>137</del>	80.0
FS-70	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-70	03/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
ES-71	03/05/2024	3	<0.050	<0.300	<10.0	465	86.7	465	<del>552</del>	208
FS-71	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<del>&lt;10.0</del>	<del>&lt;10.0</del>	NS
FS-71	03/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS-72	03/05/2024	3	<0.050	<del>&lt;0.300</del>	<10.0	971	163	971	1,134	224
FS-72	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-72	03/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS-73	03/05/2024	3	<0.050	<0.300	<10.0	494	87.0	494	581	<del>192</del>
FS-73	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-73	03/19/2025	12	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS-74	03/05/2024	3	<0.050	<0.300	<10.0	144	<10.0	144	144	80.0
FS-74	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-74	03/18/2025	4	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS-75	03/05/2024	3	<0.050	<0.300	<10.0	<u>320</u>	34.7	<u>320</u>	355	208
FS-75	10/23/2024	4	NS 10.050	NS 10.200	<10.0	<10.0	<10.0	<10.0	<10.0	NS 102
FS-75	03/18/2025	4	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
<del>FS-76</del> FS-76	03/05/2024 10/23/2024	<del>3</del> 4	<0.050 NS	<del>&lt;0.300</del> NS	<10.0 ≤10.0	<del>382</del> <10.0	53.0 ≤10.0	<del>382</del> <10.0	<b>435</b> <10.0	4 <del>32</del> NS
FS-76	03/18/2025	4	<0.050	<0.300	<10.0 <10.0	<10.0	<10.0 <10.0	<10.0	<10.0	144
FS-70 FS-77	03/05/2024	4 ३	<0.050	<0.300	<10.0	201	22.6	201	< 10.0 224	288
<del>FS-77</del>	10/23/2024	4			<10.0 <10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-77	03/18/2025	4 12	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS-78	03/05/2024	3	<0.050	<0.300	<10.0	3,940	668	< 10.0 3,940	4,608	784
FS-78	04/29/2024	3 2	~0.000 NS		<10.0 <10.0	<del>3,840</del> <10.0	<10.0	<del>3,840</del> <10.0	<del>~10.0</del>	NS
FS-78	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-78	03/18/2025	4	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS-79	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
FS-79	10/23/2024	4	NS	NS	NS	NS	NS	NS	NS	208
FS-79	03/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS-80	03/05/2024	3	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS-81	03/05/2024	3	< 0.050	< 0.300	<10.0	12.4	<10.0	12.4	12.4	32.0
FS-82	03/05/2024	3	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

# ENSOLUM

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Sample I.D.	Sample Date	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)         10         50         NE         NE         NE         NE         100         600										
FS-83	03/05/2024	3	<0.050	<0.300	<10.0	10.1	<10.0	10.1	10.1	64.0
FS-84	03/05/2024	3	<0.050	<0.300	<del>&lt;10.0</del>	388	42.9	388	431	<del>160</del>
FS-84	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-84	03/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
<del>FS-85</del>	03/05/2024	3	<0.050	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>516</del>	<del>108</del>	<del>516</del>	<del>62</del> 4	128
FS-85	10/23/2024	4	NS	NS	<10.0	<10.0	<10.0	<10.0	<10.0	NS
FS-85	03/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS-86	03/05/2024	3	<0.050	<0.300	<u>&lt;10.0</u>	149	<del>59.1</del>	149	208	80.0
FS-86	10/23/2024	4	NS	NS	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	NS
FS-86	03/19/2025	4	<0.050	<0.300	<10.0	<10.0	22.7	<10.0	22.7	160
<del>FS-87</del>	03/05/2024	3	<0.050	<del>&lt;0.300</del>	<10.0	1,350	770	<del>1,350</del>	<del>2,120</del>	32.0
FS-87	04/29/2024	24	NS	NS	<u>&lt;10.0</u>	24.7	<u>&lt;10.0</u>	24.7	24.7	NS
FS-87	04/04/2025	120	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS-88	03/05/2024	3	<0.050	<0.300	<10.0	23.2	<10.0	23.2	23.2	32.0
FS-89	03/05/2024	3	< 0.050	<0.300	<10.0	87.7	<10.0	87.7	87.7	48.0
FS-90	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-91	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-92	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-93	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-94	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-95	03/05/2024	3	<0.050	< 0.300	<10.0	13.2	<10.0	13.2	13.2	32.0
FS-96	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-97	03/05/2024	-	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-98 FS-99	03/05/2024	3	<0.050	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<16.0
FS-99 FS-100	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-100 FS-101	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS-101	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-102	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS-104	03/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-105	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS-106	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS-107	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS-108	03/05/2024	3	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
					1	e Analytical Re	1			
SW-1	03/05/2024	<del>0 - 18</del>	<del>&lt;0.050</del>	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,060
SW-1	07/02/2024	<del>0 - 18</del>	NS	NS	NS	NS	NS	NS	NS	32.0
SW-1	03/19/2025	0 - 36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW-2	03/05/2024	0 - 18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304

# E N S O L U M

	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         MARIS FEDERAL #001         OXY USA, INC         EDDY COUNTY, NEW MEXICO         ENSOLUM PROJECT NO. 03B1417142									
Sample I.D.	Sample Date	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SW-3 SW-3 SW-3	03/05/2024 05/10/2024 03/20/2025	0 - 18 0 - 36 0 - 36	<del>&lt;0.050</del> N <del>S</del> <0.050	<del>&lt;0.300</del> NS <0.300	<10.0 <10.0 <10.0	101 11.7 <10.0	24.0 <10.0 <10.0	101 11.7 <10.0	<del>125</del> <del>11.7</del> <10.0	512 NS 160
SW-4	03/05/2024	0 - 18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW-5 SW-5	<del>03/05/2024</del> 07/02/2024	0 - 18 0 - 18	< <u>0.050</u> NS	<del>&lt;0.300</del> NS	<10.0 NS	<10.0 NS	<10.0 NS	<10.0 NS	<10.0 NS	<del>752</del> 32.0
SW-5 SW-06	04/04/2025	0 - 18 0 - 36	<0.050	<0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	112 32.0
SW-08	05/12/2025	0 - 36	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW-08	05/12/2025	0 - 24	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-09	05/12/2025	0 - 30	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-10	05/12/2025	0 - 84	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-11	05/12/2025	0 - 84	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-12	05/12/2025	0 - 84	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-13	05/12/2025	0 - 48	<0.050	<0.300	<10.0	10.2	<10.0	10.2	10.2	32.0
SW-14	05/12/2025	0 - 120	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW-15	05/12/2025	0 - 120	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-16	05/12/2025	0 - 120	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW-17	05/12/2025	0 - 144	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-18	05/12/2025	0 - 144	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-19	05/12/2025	0 - 144	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-20	05/12/2025	0 - 144	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-28* SW-29*	04/29/2024	0-24 0-24	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<del>16.0</del> 144
SW-29* SW-30*	04/29/2024	0-24 0-24	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	<u>&lt;10.0</u> 35.2	<10.0 <10.0	<u>&lt;10.0</u> 35.2	<10.0 35.2	-144 
SW-65*	04/29/2024	0-24 0-24	<0.050	<0.300 <0.300	<10.0	<del>33.∠</del> <10.0	<10.0 <10.0	<del>33.∠</del> <10.0	<del>35.2</del> <10.0	304
	04/29/2024	0-24 0-24	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0	112
SW-87*	04/29/2024	0 - 24	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256

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### ENSOLUM

	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         MARIS FEDERAL #001         OXY USA, INC         EDDY COUNTY, NEW MEXICO         ENSOLUM PROJECT NO. 03B1417142									
Sample I.D.	Sample Date	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Delineation	Soil Sample An	alytical Results	;			
DS-1	03/05/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
DS-2	03/05/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
DS-3	03/05/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
DS-4	03/05/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
DS-5	03/05/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
DS-6	03/05/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table 1 Closure

Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon NMAC: New Mexico Administrative Code \*: Sidewall sample location removed completely during excavation activities.

Grey text indicates soil sample removed during excavation activities

# E N S O L U M

TABLE 2 BACKFILL SOIL SAMPLE ANALYTICAL RESULTS ONSUAREZ PIT OXY USA, INC. EDDY COUNTY, NEW MEXICO										
Sample I.D.	Sample I.D.     Sample Date     Sample Depth (feet bgs)     Benzene     Total BTEX     TPH GRO     TPH DRO     TPH ORO     GRO+DRO     Total TPH     Chloride       (mg/kg)     (mg/kg)									
NMOCD Table 1 C	losure Criteria (	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
	Confirmation Background Soil Sample									
OnSuarez Pit	09/30/2024	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon

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APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



March 08, 2024

BEAUX JENNINGS ENSOLUM, LLC 705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 03/05/24 16:27.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/05/2024	Sampling Date:	03/05/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM		

### Sample ID: FS - 1 18" (H241104-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 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	144	16.0	03/07/2024	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	Qualifie
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14							

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 2 18" (H241104-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	592	16.0	03/07/2024	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	200	100	200	5.90	
DRO >C10-C28*	433	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 3 18" (H241104-03)

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	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	304	16.0	03/07/2024	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	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 4 18" (H241104-04)

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	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	240	16.0	03/07/2024	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	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 5 18" (H241104-05)

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	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 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	1600	16.0	03/07/2024	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	200	100	200	5.90	
DRO >C10-C28*	527	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	178	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	6 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 6 18" (H241104-06)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	960	16.0	03/07/2024	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	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 7 18" (H241104-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	400	16.0	03/07/2024	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 8 18" (H241104-08)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	640	16.0	03/07/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 9 18" (H241104-09)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	544	16.0	03/07/2024	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	21.5	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 10 18" (H241104-10)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 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	1600	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	77.6	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	13.2	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	97.5 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2 9	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 11 18" (H241104-11)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	256	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 12 18" (H241104-12)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	1720	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	13.5	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 13 18" (H241104-13)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	992	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 14 18" (H241104-14)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	352	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 15 18" (H241104-15)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	288	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	190	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	78.8	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	6 49.1-14	8						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	BEAU 705	OLUM, LLC UX JENNINGS W WADLEY AVE. LAND TX, 79705 To:	
Received:	03/05/2024	Sampling Date:	03/05/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM		-

## Sample ID: FS - 16 18" (H241104-16)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	384	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	28.1	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 17 18" (H241104-17)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	176	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 18 18" (H241104-18)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	195	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	41.8	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	69.7 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 19 18" (H241104-19)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	336	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	82.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 20 18" (H241104-20)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	160	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	74.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 21 18" (H241104-21)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	224	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	61.6	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	10.7	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 22 18" (H241104-22)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	224	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 23 18" (H241104-23)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	71.0	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	10.8	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	94.7 \$	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 %	6 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 24 18" (H241104-24)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 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	176	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	59.7	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	89.1 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 %	6 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 25 18" (H241104-25)

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	03/07/2024	ND	1.91	95.5	2.00	2.18	GC-NC
Toluene*	<0.050	0.050	03/07/2024	ND	1.99	99.7	2.00	1.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.97	98.7	2.00	1.57	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.02	100	6.00	1.68	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	192	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 26 18" (H241104-26)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 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	208	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	53.8	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	11.7	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 27 18" (H241104-27)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 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	16.0	16.0	03/07/2024	ND	448	112	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	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	218	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	52.5	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	81.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 28 18" (H241104-28)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/08/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	0.131	0.050	03/08/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	0.798	0.150	03/08/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	0.929	0.300	03/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 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	480	16.0	03/07/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	79.0	10.0	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	8370	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	2130	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	202	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 29 18" (H241104-29)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	0.151	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	0.756	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	0.907	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 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	256	16.0	03/07/2024	ND	448	112	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*	17.5	10.0	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	1240	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	318	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 30 18" (H241104-30)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.84	
Toluene*	1.66	0.050	03/08/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	4.11	0.050	03/08/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	15.0	0.150	03/08/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	20.8	0.300	03/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	390	% 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	Qualifie
Chloride	608	16.0	03/07/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	896	10.0	03/06/2024	ND	187	93.4	200	2.74	
DRO >C10-C28*	8590	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	1820	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	177	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	170	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 31 18" (H241104-31)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 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	32.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	187	93.4	200	2.74	
DRO >C10-C28*	24.7	10.0	03/06/2024	ND	199	99.6	200	0.818	
EXT DRO >C28-C36	19.8	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 32 0.25' (H241104-32)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 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	32.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 33 0.25' (H241104-33)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 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	32.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 34 0.25' (H241104-34)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 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	16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	83.8	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	42.7	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 35 0.25' (H241104-35)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 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	16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.6	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 36 0.25' (H241104-36)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 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	32.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 37 0.25' (H241104-37)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 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	32.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 38 0.25' (H241104-38)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.1	% 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	16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 39 0.25' (H241104-39)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 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	32.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	84.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 40 0.25' (H241104-40)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 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	32.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	27.3	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 41 0.25' (H241104-41)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 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	16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	20.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	42.9	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 42 0.25' (H241104-42)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 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	32.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 43 0.25' (H241104-43)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 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	<16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 44 0.25' (H241104-44)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 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	<16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 45 0.25' (H241104-45)

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	03/07/2024	ND	2.16	108	2.00	2.84	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	2.54	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.97	99.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 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	<16.0	16.0	03/07/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2024	ND	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.0	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 46 0.25' (H241104-46)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	64.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	62.2	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	23.4	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 47 0.25' (H241104-47)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.7	% 49.1-14	8						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 48 0.25' (H241104-48)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	12.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 49 0.25' (H241104-49)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	03/07/2024	ND	400	100	400	7.69	
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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 50 0.25' (H241104-50)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	03/07/2024	ND	432	108	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	190	94.9	200	6.80	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 51 0.25' (H241104-51)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	48.0	16.0	03/07/2024	ND	432	108	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	190	94.9	200	6.80	
DRO >C10-C28*	149	10.0	03/06/2024	ND	183	91.4	200	5.48	
EXT DRO >C28-C36	28.1	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 52 0.25' (H241104-52)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	16.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	47.2	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	10.9	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	77.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 53 0.25' (H241104-53)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	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	16.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	34.1	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	E 7 N	ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 54 0.25' (H241104-54)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 55 0.25' (H241104-55)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	32.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	66.0	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	14.7	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 56 0.25' (H241104-56)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	32.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	54.5	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	13.2	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 57 0.25' (H241104-57)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	576	16.0	03/07/2024	ND	432	108	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	03/07/2024	ND	184	92.1	200	4.41	
DRO >C10-C28*	15.6	10.0	03/07/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	68.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 58 0.25' (H241104-58)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	80.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	653	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	267	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	65.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 59 0.25' (H241104-59)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	80.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	910	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	338	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	72.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 60 0.25' (H241104-60)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	80.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	300	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	83.5	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	65.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 61 0.25' (H241104-61)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	240	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	836	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	208	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	77.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	E 7 N	ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 62 0.25' (H241104-62)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	224	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	472	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	141	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	E 7 N	ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 63 0.25' (H241104-63)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	32.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	118	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	23.4	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 64 0.25' (H241104-64)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	160	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	719	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	179	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	60.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 65 0.25' (H241104-65)

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	03/07/2024	ND	2.21	110	2.00	2.87	
Toluene*	<0.050	0.050	03/07/2024	ND	2.18	109	2.00	2.20	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.35	106	6.00	1.65	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	64.0	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	2070	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	630	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	75.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



03B1417142

EDDY CO., NM

Sample Received By:

03/05/2024

Cool & Intact

Dionica Hinojos

Soil

# Analytical Results For:

	ENSOLUM, LLC	
	BEAUX JENNINGS	
	705 W WADLEY AVE.	
	MIDLAND TX, 79705	
	Fax To:	
03/05/2024		Sampling Date:
03/08/2024		Sampling Type:
MARIS FEDERAL #1		Sampling Condition:

### Sample ID: FS - 66 0.25' (H241104-66)

Received:

Reported:

Project Name:

Project Number:

Project Location:

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	208	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	1270	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	318	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	76.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 67 0.25' (H241104-67)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	160	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	703	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	179	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	75.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 68 0.25' (H241104-68)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	272	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	650	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	165	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	71.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 69 0.25' (H241104-69)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	128	16.0	03/07/2024	ND	432	108	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	184	92.1	200	4.41	
DRO >C10-C28*	135	10.0	03/06/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	20.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 70 0.25' (H241104-70)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	03/07/2024	ND	416	104	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	03/07/2024	ND	184	92.1	200	4.41	
DRO >C10-C28*	118	10.0	03/07/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	19.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	72.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 71 0.25' (H241104-71)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	208	16.0	03/07/2024	ND	416	104	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	03/07/2024	ND	184	92.1	200	4.41	
DRO >C10-C28*	465	10.0	03/07/2024	ND	201	100	200	2.23	
EXT DRO >C28-C36	86.7	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	72.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 72 0.25' (H241104-72)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	224	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	971	10.0	03/06/2024	ND	175	87.6	200	12.7	QM-07
EXT DRO >C28-C36	163	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 73 0.25' (H241104-73)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	192	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	494	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	87.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	75.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 74 0.25' (H241104-74)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	144	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 75 0.25' (H241104-75)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	208	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	320	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	34.7	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	67.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 76 0.25' (H241104-76)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	432	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	382	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	53.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 77 0.25' (H241104-77)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	288	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	201	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	22.6	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	78.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 78 0.25' (H241104-78)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	784	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	3940	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	668	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	139	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 79 0.25' (H241104-79)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	912	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 80 0.25' (H241104-80)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	48.0	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 81 0.25' (H241104-81)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	32.0	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	12.4	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 82 0.25' (H241104-82)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	16.0	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 83 0.25' (H241104-83)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	64.0	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	10.1	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 84 0.25' (H241104-84)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	160	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	388	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	42.9	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.0	% 49.1-14	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 85 0.25' (H241104-85)

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	03/07/2024	ND	1.89	94.5	2.00	1.20	
Toluene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	2.43	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.00	100	2.00	3.07	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.10	102	6.00	3.86	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	128	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	516	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	108	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 86 0.25' (H241104-86)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	149	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	59.1	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 87 0.25' (H241104-87)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	32.0	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	1350	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	770	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 88 0.25' (H241104-88)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	23.2	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.6	% 49.1-14	8						

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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 89 0.25' (H241104-89)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	48.0	16.0	03/07/2024	ND	416	104	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	87.7	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	81.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 90 0.25' (H241104-90)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	<16.0	16.0	03/07/2024	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

## aborator es

Company Name:	(575) 393-2326 FAX (575) 393-2476	( (575) 393-2	476						BILL TO		1			ANALYSIS DECLIEST	
Project Manager:	Brock Jenn	(					P.O. #:				Т				
Address: 601	Manarte	1 2.	1400	0			Con	Company:							
City: mioLAND	aND	State: TX	Zip	1	× Zip: 79701		Attn:	đ							
Phone #: 210 - 219 - 8858		Fax #:					Add	Address:							
Project #: 038	2417142	Project Owner:	ň				City:						0		
Project Name:	Maris Fede	# 101	-			_	State:	le:	Zip:				0		
Project Location:	Folds Co	10 m					Pho	Phone #:			-	16	15		
Sampler Name:	Nook Dute	er 5%	2		0.11.	1	Fax #:	#			5		2		
FOR LAB USE ONLY		-	1		MATRIX	×	_	PRESERV	SAMPLING	LING			5		
Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE	OTHER :	ACID/BASE: ICE/ COOL OTHER :	DATE	TIME	TAH BO	BTEX	Chloride		
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9	125 9	.81	0	-	¥		_	×	3-5-24	(123	x	x	8		
10	1=5 10	(84	0	-	×			×	3-5-24	1132	x	×	×		
PLEASE NOTE: Liability and D analyses. All claims including t service. In no event shall Cardi affiliates or successors arising of	PLEASE NOTE: Liability and Damages. Cardinal's lability 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. All claims including those for negligence and any other cause whatsoewer abili be demoked winder unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential applicable, including without individual by Userless interruptions, loss of use, for a cardinal writing and received by Cardinal be liable for incidential or consequential appendix, including without individual, business interruptions, loss of the above and or consequent and any other cause without or consequence of securice by Cardinal beautions, business interruptions, loss of the above and or consequence or extende as artificate or successors arising or if or valued to the outform or consequence beautings.	s exclusive remedy for use whatsoever shall be ental damages, includir services hereinde. 'W	any clair deeme g withou	n arisin d waive d limita	g whether based in cr d unless made in with bon, business interrup dises of whether such	ontract c ting and ptions, lo	receive	shall be limited ed by Cardinal use, or loss of p	to the amount paid within 30 days after rofits incurred by cli	by the client for i completion of th ent, its subsidiari	the e applicat es,				
Relinquished By:	MW MW Time: All Received By: Verbal Results	Date: 5-24 Time: 0-	R	ceiv	Received By:					Verbal Result: All Results are	are er	The Ves	Please prov	Verbal Result: Dives D No Add'I Phone #: All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	20	ceiv	Received By:					REMARKS:	w				

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

Observed Temp. °C Corrected Temp. °C

3.90

Sample Condition Cool Intact Yes Yes No No No

(Initials)

**Turnaround Time:** 

Standard Rush

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Ves Ves No No Corrected Temp. °C

Thermometer ID #140 Correction Factor 0°C

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

Time:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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### Δ 3 S

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### 101 East Marland, Hobbs, NM 88240

Project Mananer: 0	in LLC		BILL T	10		ANALYSIS REDUEST
inject mailayer. Beadx	Jenning 5		P.O. #:			
Address: 601 Mc	·cofell F.	400	Company:			
City: MIDLAND	State: TX	Zip: 79701	Attn:		_	
Phone #: 210 - 219 - 82	8858 Fax #:		Address:			
Project #: 03814171	42 Project Owner:		City:		)	
Project Name: Mars	Federal #		State: Zin-		00	
Project Location:	Y Co NM	0	#		5	
Sampler Name: Nock	Duter 5%	ene D. Hr. F	Fax #:	5	4	
FOR LAB USE ONLY	_	P. MATRIX	PRESERV. SA		5	
Lab I.D. Sa	Sample I.D.	)RAB OR (C)OM CONTAINERS ROUNDWATER ASTEWATER IL JDGE HER :	D/BASE: COOL HER :	De De	Meride	
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11 11		CI Y	× 3-5-24	ligh x	-	
PLEASE NOTE: Liability and Damages. Cardina's lia analyses. All claims including those for nonlinearco or	ability and client's exclusive remedy for an	any claim arising whether based in contract or tort, shall be lim	X 3-5-24		x	
service. In no event shall Cardinal be lable for incidental or cause whatsower shall be deemed waived unless made in writing and received by Cardinal within affiliates or successors arising out of or related to the performance of services hereunds. 'Y Cardinal, regardless of whether such chum is based upon any of the ab Relinquished By:	and any other cause whatsoever shall be d antal or consequental damages, including performance of services hereunde. 'w Ca	ent shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loas of use, or loas of profits incurred by client, its subsidiaries, statisting cut of or related to the performance of services hereunds. 'vy Cardinal, regardless of whether such clium is based upon any of the above stated reasons or otherwise.	ived by Cardinal within 30 days at ruse, or loss of profits incurred by ed upon any of the above stated	30 days after completion of the applicable incurred by client, its subsidiaries, over stated reasons or otherwise		
Relinquished By:	3.5.24 Time: 16:37 Date:	Received By:		Verbal Result:	□ Yes □ No Add'I Phone #: nailed. Pleese provide Email address:	Add'I Phone #: e Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3,92 Corrected Temp. °C	GAC Sample Condition CooL Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials)	Turnaround Time: Triermometer ID #140 Correction Factor 0°C	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

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

Company Name:

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: Relinquished By analyses. All claims including those for negligence and any other cause whatsoever shall be deemed v service. In no event shall Cardinal be liable for incidental or consequental damages, including without i Delivered By: (Circle One) LEASE NOTE: Liability and Sampler Name: Project Name: Project Location: Project #: 0381417142 Phone #: 210 - 219 - 8858 City: MIDLAND Project Manager: FOR LAB USE ONLY Address: 60) Lab I.D. (mm) 1104 200 200 20 an 20 22 24 8 ANNA out of or related to the performance 0101 Ensolum Beadx U 23 S n ij Mariante 5 Sample I.D. No NB 0 P Observed Temp. °C 3.90 P 00 Date: 7.7.94 0 Date: Time: Time 22 Fax #: Project Owner: State: 0 16-27 jes, including without limitation, business Q Depth dy for any clair TX Zip: #400 N 7 3 Received By: ٩ Received By: 0 r 0 C (G)RAB OR (C)OMP waived unless made in writing and # CONTAINERS 50 Sample Condition GROUNDWATER WASTEWATER 20 × × 75 × T × MATRIX × × SOIL × × OIL ons, loss of use act or tort, shall be SLUDGE OTHER State: City: Fax #: Phone #: Attn: P.O. #: Address: Company: ed by Cardina ACID/BASE PRESERV CHECKED BY: × ICE COOL × × × × × of profits incurred by client, its subsidiaries OTHER BILL within 30 days after completion of the applicable 3-5-24 3-5-24 3-5-24 3-5-24 3-5-24 3-2-5-64 3-5-24 200 ~ w Zip -5-24 -5-24 DATE 42-10 SAMPLING Turnaround Time: All Results are emailed. Please provide Email address: REMARKS: Verbal Result: by the 13[3 1202 Pol assil a 9511 5 TIME 5 × 8 × X X × 8015 D YPS x × × K × x K X 13 80 216 3 X 8 X X X X X O No X 4500 01 00 25 Add'l Phone #: ANALYSIS REQUES.

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool Intact

(Initials)

Thermometer ID #140 Correction Factor 0°C

Standard

DE:

Bacteria (only) Sample Condition Cool Intact Observed Temp Ves Yes No No Corrected Temp

Corrected Temp. °C Observed Temp. °C

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

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Ensolum	///				
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North maliager. Beaux	leaning s	P.O. #:			
ess:60)	fell #400	Company:			
	State: アメ Zip: フタフロ /	Attn:		_	
Phone #: 210 - 219 - 8858	G Fax#:	Address:		_	
Project #: 038141714	Project Owner:	City:		>	
Project Name: Mars /	ederal #1	State: 7in-		20	
Project Location:	Co N/M	ŧ		6	
Sampler Name: Nook 2	uter Shore Dille	Fax #:	5	4	
FOR LAB USE ONLY	MATRIX	SERV.	SAMPLING	5	
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PLEASE NOTE: Liability and Damage Contents of the	KO V C- X	h2-5-5 X	tor x	XX	
halyses. All claims including those for negligence and any invice. In no event shall Cardinal be liable for incidental or	analyses. All claims including these for neglignee and any other cause whatboever shall be drived withed units excluding these in a contract or tort, shall be finited to the amount pad by the client for the service. In no event shall Cardinal be liable for incidental or concession in an other cause whatboever shall be indeed to the service and any other cause whatboever shall be indeed on the service. In no event shall Cardinal be liable for incidental or concession in an other cause whatboever shall be indeed to the service and any other cause whatboever shall be indeed on the service. In no event shall Cardinal be liable for incidental or concession in an other cause whatboever shall be indeed on the service.	tort, shall be limited to the amount pain sceived by Cardinal within 30 days after	policable	ŀ	
artiliates or successors arising out of or related to the perform Relinquished By:	Initialies or successors analog out of or related to the performance of services hereunds, by Cardinal, regarding of whether such chain is based upon any of the above stated reasons or otherwise.	s of use, or loss of profits incurred by c ased upon any of the above stated re-	lient, its subsidiaries, asons or otherwise.		
MARY MARY	Time: 19-04 Received by:		Verbal Result:	Verbal Result: 763 No Add'I Phone #: All Results are emailed Please provide Email add	Add'l Phone #:
Relinquished By:	Date: Received By:				
	Time:		NEWARAS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3, 54 Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard M	Bacteria (only) Sample Condition
FORM-000 R 3.4 07/11/23	I NO NO	VA	No No VI Correction Factor 0°C		No No

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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	5
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: Relinquished By: Sampler - UPS - Bus - Other: Delivered By: (Circle One) ervice. In no event shall Cardinal be liable for incidental or inalyses, All claims LEASE NOTE: Liability and Sampler Name: Project Location: Project Name: Project #: 0381417142 Phone #: 210 - 219 - 8858 Project Manager: City: MIDLAND Company Name: Address: 60/ FOR LAB USE ONLY 24/104 Lab I.D. 1mm 48 49 22 50 44 sors arising out of or related to the per including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal MANN 10001 Ensolum Beaux S 55 Merico 5 Cardinal's liability and client's exclusive rem 5 5 Sample I.D. ¢ 0 8 Observed Temp. °C3 Corrected Temp. °C 2 time: iental damages, including without limitation, business 22 Time: Date: Project Owner: Fax #: † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com State: 0 51 ų de Depth unde, 'v C dy for any r i TX Zip: N M 3 1 400 Received B ٩, Received By: 0 0 0 0 (G)RAB OR (C)OMP **# CONTAINERS** 66 Cool Intact GROUNDWATER Sample Condition WASTEWATER 701 MATRIX ther such claim is ba × 75 N × × × × × SOIL × × OIL ons, loss of use ract or lon SLUDGE OTHER Phone City: State: Fax #: Attn: P.O. #: Address: Company: ACID/BASE PRESERV CHECKED BY: × × ICE COOL × × × × (Initials) \* \* 5 of profits OTHER BILL TO within 30 days after comp 2 3-5-24 3-5-24 3-5-24 42-5-54 3-5-24 3 3-5-24 Zip 5-24 -5-24 DATE -5-24 ed by client, its subsidiaries SAMPLING paid by the client for Correction Factor 0°C Turnaround Time: All Results are emailed. Please provide Email address: REMARKS: Verbal Result: 1374 1344 1244 (406 256 134 E 325 SHE TIME vetion of the applicable 5 × 2 X X X × × D H 8015 U Ves X × K x x K x  $\prec$ 80 216 Standard 15 X 8 X × × X X X ON D 4500 ar des DE Add'l Phone #: ANALYSIS Bacteria (only) Sample Condition Cool Intact Observed Temp Yes Yes No No Corrected Temp REQUEST Observed Temp. Corrected Temp. °C ĉ

### Received by OCD: 6/20/2025 10:04:43 AM

### Page 159 of 343

Page 97 of 101

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### 101 East Marland, Hobbs, NM 88240

Company Name:	cul. III						
Project Manager: 2	in The c			BILL	10		ANALYSIS REQUEST
Address: 601 M		55400		r.u. #:			
City: MIDLAND	State:	Yx.	19701	Company: Attn:			
Phone #: 210 - 219 -	-8858 Fax #:			Address		_	
Project #: 038/4/7		Project Owner:		City:			
Project Name: ///	5 Federal	1 # 1				20	
Project Location:	l' C	nd m		owner, cip.		6	
Sampler Name: Nook	Duter	Shon	211	Frione #:		21	
FOR LAB USE ONLY	_		MATRIX	SEBV		00	
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LEASE NOTE: Liability and Darmages. Cardin	Cardina's liability and client's exclusive remedy for any claim	remedy for any claim a	1 X	× 3-3-5	× 246 42		
nanyses. All claims including those for hogiligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 and any the claim for the envice. In no event shall Cardinal be fixed for incidential or consequential damages, including without limitation, business interruptions, loss of trues or tools of more truester completion of the applicable filiation or successore avision over a character state completion of the applicable filiation or successore avision over a character to the completion of the applicable filiation or successore avision over a character state completion of the applicable filiation.	nce and any other cause whatso incidental or consequental dama	ever shall be deemed v ges, including without li	raived unless made in writing and rec raived unless made in writing and rec mitation, business interruptions, loss (	xit, shall be limited to the amoun eived by Cardinal within 30 days of use, or loss of profils incurrant of use, or loss of profils incurrant	t paid by the client for the application of the app	ible	
Relinquished By:	to the performance of services he Date:	Receive	dinal, regardless of whether such clnim is bas Received By:	sed upon any of the above state	d reasons or otherwise.		
MARIN MARIN	Time:	12	,		All Results are e	mailed. Please pro	Verbal Result: Ves INO Add'I Phone #: All Results are emailed. Please provide Email address:
telinquished By:	Date:	-	Received/By:		REMARKS:		
	Time:						
Delivered By: (Circle One) ampler - UPS - Bus - Other:	Observed Temp. °C	amp. °C. 90	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: Tnermometer ID #140	Standard Rush	Bacteria (only) Sample Condition     Cool Intact Observed Temp. °C     TYee Type

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101 East Marland, Hobbs, NM 88240

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### Relinquished By: Relinquished By: analyses. All claims including those for negligence and any other cause service. In no event shall Cardinal be liable for incidental or consequent PLEASE NOTE: Liability and Dar Sampler Name: Project Location: Project Name: Phone #: 210 - 219 - 8858 Project #: 0381417142 Project Manager: City: MIDLAND FOR LAB USE ONLY Address: 60) 24/104 Lab I.D. 1 mm 2 69 65 Ele. 80 64 here ang out of or re mari Beadx 11 S Marian 5 5 d to the perfor 5 Sample I.D. Ø 0 AND 3 Thine: 37 Time: Date: Date: 0123 Project Owner: Fax #: dan State: 5.24 atsoever shall be deemed 2.25 es, including without limitation, business unde. w Depth dy for any TX Zip: N M Y Z 2 400 **Received By** Received By: 0 r (G)RAB OR (C)OMP n **# CONTAINERS** 50 unless made in writing and GROUNDWATER WASTEWATER 20 MATRIX × × 15 × N × × × SOIL × × OIL ins, loss of use SLUDGE ict or tort, shall OTHER Fax #: State: City: Phone # Attn: P.O. #: Address: Company: ved by Cardina ACID/BASE PRESERV × 7 × × ICE × × COOL of profits incurred by client, its subsidiarie OTHER within 30 days after con 3-5-24 2 3-5-24 3-2-24 3-5-24 3-5-24 S Zip: 3-5-24 3-5-24 -5-24 +921 42-5-DATE 62-SAMPLING REMARKS: All Results are emailed. Please provide Email address: by the client Verbal Result: Str. 946) 946 OLE 1286 1337 N E pletion of the applicable TIME X 2 × × × × 8015 0 Yes X × × K × X K. Χ 37 × F 80 216 $\mathbf{x}$ 0 X 8 X X X x X X ON D 4500 h de Add'l Phone #: ANALYSIS REQUEST

Received by OCD: 6/20/2025 10:04:43 AM

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. °CZ

500

Sample Condition

CHECKED BY:

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition

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Cool Intact

Corrected Temp. °C Observed Temp.

(Initials)

Thermometer ID #140 Correction Factor 0°C

Corrected Temp. °C

Cool Intact

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

Page 99 of 101

Page 161 of 343

Company Name:

Ensolum

BILL TO

In East Maria (575) 393-23 $er: East Maria (575) 393-23 er: East Maria M_{eris}$	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	Bacteria (only) Cool Intact	Standard Rush	20	Turnaround Time: Thermometer ID #140 Correction Factor 0°C	Turnar Thermo Correcti	CHECKED BY: (Initials)	I Temp. °C       ?C       Sample Condition       CHECKED BY:       Turnaround Time:       Standard       B:         I Temp. °C       U Yes       Yes       Yes       (Initials)       Thermometer ID       #140       Cool       Cool <t< th=""><th>205.00</th><th>Corrected Temp. °C Corrected Temp. °C</th><th>- Other:</th><th>Sampler - UPS - Bus - Ott PORM-000 R 3.4 0//</th></t<>	205.00	Corrected Temp. °C Corrected Temp. °C	- Other:	Sampler - UPS - Bus - Ott PORM-000 R 3.4 0//
IDI East Mariand, Hobbs, NM 88240 (576) 393-2326 FAX (675) 393-2476         BILL 10 Oject Manager: Build Color State: TX Zip: T9 Tot 1         Bitate: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 10 State: TX Zip: T9 Tot 1         Multication: Tot 20 State: TX Zip: T9 Tot 1         Multication: Tot 20 State: Tx Zip: Tot 10 State: Tip:         Multication: Tot 20 State: Tx Zip: Tot 20 State: Tip:         Multication: Tot 20 State: Tx Zip: Tot 20 State: Tx Zip		nall address:	lesse provide Er	iled. P	ARKS:	REMA		id By:	Receive	Date:		Relinquished By:
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aboratories         101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476         e:       State:       State:         e:       State:       T Zip:         Piged       Fax #:       Piged         Project Owner:       Fax #:       Address:         Project Owner:       Fax #:       Phone #:         Project Owner:       Fax #:       Address:         Project Owner:       Fax #:       Phone #:         Project			2	ĸ		-	3-5-	×	11	K CA	125	8
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Received by OCD: 6/20/2025 10:04:43 AM

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Company Namo-		
	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	aborator es

Company Name:

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BILL TO

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: PLEASE NOTE: Lublity and Damages. Cardinal's liability and client's excluse analyses. Al claims including those for nogligence and any other cause what service. In no event shall Cardinal be liable for incidental or consequential dar Sampler Name: Project Name: Project Location: Project #: 0381417142 Phone #: 210 - 219 - 8858 Project Manager: City: MIDLAND FOR LAB USE ONLY Address: 60) Lab I.D. 1mm 401 2020000 Ture rising out of or related Mar. R ñ 55 COUX 5 1) 2 Marian 5 Sample I.D. to the perf 5 20 23 C Date: TIME of services her 0 Date: ntal damages, including without limitation, business Project Owner: Fax #: 5-24 State: pever shall be deemed waived 0,25 reunde. w Depth dy for any TX Zip: N M 1 Z 0 900 Received By: 0 (G)RAB OR (C)OMP # CONTAINERS 51 GROUNDWATER unless made in writing and WASTEWATER 20 × × 75 × T × × MATRIX × SOIL × × 2 OIL ons, loss of use, act of loft, shall be SLUDGE OTHER Fax #: State: City: Phone #: Attn: P.O. #: Address: Company: ACID/BASE by Cardina PRESERV g × × CE/ COOL × × × × of profits incurred by client, its subsidiarier OTHER within 30 days after completion of the applicable 3-5-24 3-5-24 470 2 3-5-24 3-5-24 3-2-5-24 3-5-24 (218 12-5-3-5-24 w Zip: -5-24 -5-24 DATE SAMPLING All Results are emailed. Please provide Email address: Verbal Result: na cieu 1300 360 1200 1221 1246 22 424 TIME X × 2 × X × × 8015 U Ves κ x × K × x K X 3 × E 80216  $\mathbf{x}$ ð X X × X X X X X O No 4500 h 100 des Add'l Phone #: ANALYSIS REQUES.

### Received by OCD: 6/20/2025 10:04:43 AM

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

Other:

Corrected Temp. °C Observed Temp. °C

Cool Intact

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Sample Condition

CHECKED BY:

Turnaround Time:

Standard

Bacteria (only) Sample Condition

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Cool Intact

Corrected Temp. °C Observed Temp. REMARKS:

(Initials)

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

Correction Factor 0°C

Time:

Received By:

Relinquished By:

Page 163 of 343



March 08, 2024

BEAUX JENNINGS ENSOLUM, LLC 705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 03/05/24 16:27.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



EDDY CO., NM

### Analytical Results For:

		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos

### Sample ID: FS - 91 0.25' (H241105-01)

Project Location:

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	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	03/08/2024	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	03/06/2024	ND	183	91.4	200	13.6	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	175	87.6	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	0						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 92 0.25' (H241105-02)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	<16.0	16.0	03/08/2024	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	03/06/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 93 0.25' (H241105-03)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	03/08/2024	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	03/06/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 94 0.25' (H241105-04)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 95 0.25' (H241105-05)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	mg/kg Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	13.2	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 96 0.25' (H241105-06)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 97 0.25' (H241105-07)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	g Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	В 7 М	ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 98 0.25' (H241105-08)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: HM		d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 99 0.25' (H241105-09)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	<16.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #:	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 100 0.25' (H241105-10)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	mg/kg Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 101 0.25' (H241105-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	<16.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.2	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 102 0.25' (H241105-12)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.7	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC		
		BEAUX JENNINGS		
		705 W WADLEY AVE.		
		MIDLAND TX, 79705		
		Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 103 0.25' (H241105-13)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	48.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 104 0.25' (H241105-14)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	mg/kg Analyzed By: HM		d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	81.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.5	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 105 0.25' (H241105-15)

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	03/07/2024	ND	2.12	106	2.00	2.85	
Toluene*	<0.050	0.050	03/07/2024	ND	2.22	111	2.00	6.49	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.30	115	2.00	6.91	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.81	114	6.00	7.02	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	16.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

### Sample ID: FS - 106 0.25' (H241105-16)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	32.0	16.0	03/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 107 0.25' (H241105-17)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	96.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC		
		BEAUX JENNINGS		
		705 W WADLEY AVE.		
		MIDLAND TX, 79705		
		Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: FS - 108 0.25' (H241105-18)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	32.0	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

# Sample ID: SW - 1 0-1.5' (H241105-19)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	1060	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

# Sample ID: SW - 2 0-1.5' (H241105-20)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	304	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

# Sample ID: SW - 3 0-1.5' (H241105-21)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	512	16.0	03/08/2024	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	03/07/2024	ND	200	99.8	200	3.14	
DRO >C10-C28*	101	10.0	03/07/2024	ND	196	98.0	200	2.52	
EXT DRO >C28-C36	24.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.9	% 49.1-14	0						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

# Sample ID: SW - 4 0-1.5' (H241105-22)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	208	16.0	03/08/2024	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	03/07/2024	ND	187	93.7	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	186	92.9	200	0.811	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

# Sample ID: SW - 5 0-1.5' (H241105-23)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	752	16.0	03/08/2024	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	03/07/2024	ND	187	93.7	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	186	92.9	200	0.811	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: DS - 1 0 - .25' (H241105-24)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 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	32.0	16.0	03/08/2024	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	03/07/2024	ND	187	93.7	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	186	92.9	200	0.811	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: DS - 2 0 - .25' (H241105-25)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	32.0	16.0	03/08/2024	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	03/07/2024	ND	187	93.7	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	186	92.9	200	0.811	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	l	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: DS - 3 0 - .25' (H241105-26)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	16.0	16.0	03/08/2024	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	03/07/2024	ND	187	93.7	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	186	92.9	200	0.811	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: DS - 4 0 - .25' (H241105-27)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	03/08/2024	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	03/07/2024	ND	187	93.7	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	186	92.9	200	0.811	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.4	% 49.1-14	8						

## Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: DS - 5 0 - .25' (H241105-28)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	208	16.0	03/08/2024	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	03/07/2024	ND	187	93.7	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	186	92.9	200	0.811	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.6	% 49.1-14	8						

## Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/05/2024		Sampling Date:	03/05/2024
Reported:	03/08/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO., NM			

## Sample ID: DS - 6 0 - .25' (H241105-29)

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	03/07/2024	ND	2.36	118	2.00	1.72	
Toluene*	<0.050	0.050	03/07/2024	ND	2.29	114	2.00	1.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.27	114	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.82	114	6.00	2.35	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	03/08/2024	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	03/07/2024	ND	187	93.7	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	186	92.9	200	0.811	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

## Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Received by OCD: 6/20/2025 10:04:43 AM

Laborca 101 East Mariand (575) 393-2326 pany Name: Koselum m 104 Mariand (575) 393-2326 ess:(0) Mail Sector m 104 Maria ess:(0) Mail Sector m 104 Maria ess:(0) Mail Sector m 104 Maria ess:(0) Mail Sector m 104 Maria ess:(0) Mail Sector (1) Sample b I.D. Sample b I.D. Sample S	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C	Standard Rush	1e: #140 0°C	Turnaround Time: Thermometer ID #1 Correction Factor 0°	CHECKED BY: (Initials)	Sample Condition Cool Intact Yes Yes No No	3.70	Observed Temp. °C Z Corrected Temp. °C	Sircle One) Bus - Other:	Delivered By: (Circle One) Sampler - UPS - Bus - Oth	
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# Page 195 of 343

# Received by OCD: 6/20/2025 10:04:43 AM

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Company Name: En solution / C BILL TO

Page 196 of 343

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city: M. Sland		State: TX	Zip:	~1	9	7	0	~			Attn:	ä	0								
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Time: 16:23

Received By:

REMARKS:

Relinquished By:

Sampler - UPS - Bus - Other:

DUMM-000 N 3.4 011 112.

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

Delivered By: (Circle One)

Observed Temp. °C 3.9% Corrected Temp. °C

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Sample Condition Cool Intact Yes Yes No No No

CHECKED BY:

**Turnaround Time:** 

Standard Rush

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Ves Ves No No Corrected Temp. °C

Thermometer ID #140 Correction Factor 0°C

(Initials)

Time: Date: analyses. All claims including those for negligence and any other cause whatsoever shall be de service. In no event shall Cardinal be liable for incidental or consequential damages, including w quental damages, including without irruitation, business inter Deview Del unless made in writing and received by Cardinal within 30 days after completion of the applicable n, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

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PLEASE NOTE: Liability and

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

IS REQUEST

# Received by OCD: 6/20/2025 10:04:43 AM

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By: MUM Jull Relinquished By:	PLEASE NOTE: Liability and Damages. Cardinal's liability and cli analyses. Al claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or const afficiency successors arising on of or related to the conformance afficiency or successors arising on the modernmance.								/	99	Haynost	Lap 1.0.		FOR LAB USE ONLY	Sampler Name: Noah	Project Location: Edd	Project Name: Maris	Project #: 0381417142	Phone #: 10 210 21	AN	Address: 601 p	Project Manager: Beaux	Company Name: Enso	101 East (575) 39	Lab
Observed Temp. °C Corrected Temp. °C	Date: 3-5-34 16:23 Date:	887 1						/	1	/	05-6 525	D D	Valliple I.D.			Duker She	ly Co Nm	1 Federal #1	Project C	219 8838 Fax #:	State: TX	nersenfield .	ix Jennings	olum LLC	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	oratories
3.9 <sup>RC</sup> Sample Condition Cool Intact #140 Ves Ves #140 No No	wed By:	ent's exclusive remedy for any clearn anising whether based in contract or tort, shall be imited to the amount paid by the client for the cause whatsower shall be deemed waiwed unless made in witing and received by Cardinal within 30 days after completion of the quental damages, including without imitation, business interruptions, not seeked by Cardinal within 30 days after completion of the of services hereunder by Cardinal re, sriftes of whether such claim is based upon any of the above stated reasons or oftenvises of services hereunder by Cardinal re, sriftes of whether such claim is based upon any of the above stated reasons or oftenvises.				/	/				×	# CO GRO		VATER	P. MATRIX	~ Dille	9	S		A	Zip: 79701 A	tt 400 0	8		40	UI
1 CHECKED BY: (Initials)		tort, shall be limited to the amount sceived by Cardinal within 30 days s of use, or loss of profits incurred based upon any of the above state		/	/	/					×	ACID	/BAS		PRESERV. SA	1	Phone #:	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	BILL TO		
Turnaround Time: Thermometer ID #140 Correction Factor 0°C	Verbal Result:	shall be limited to the amount paid by the client for the ed by Cardinal within 30 days after completion of the applicable use, or loss of profits incurred by client, its subsidiaries, of upon any of the above stated reasons or otherwise.	/								× × 1221 × ×	TIME	PH.	1 B	SAMPLING	5	214							0		CHAIN-OF-CL
Standard	s										×	6	41	lori'	le.	5	4	15	0	5				A		JSTODY A
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Ves Yes No No Corrected Temp. °C	Add'i Phone #: ₂ E·mail address:																							ANALYSIS REQUEST		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# Page 198 of 343



May 09, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 04/30/24 13:34.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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)

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. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: Project Number: Project Manager: Fax To:		Reported: 09-May-24 09:25
--	--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS - 28 24"	H242299-01	Soil	29-Apr-24 10:46	30-Apr-24 13:34
FS - 29 24"	H242299-02	Soil	29-Apr-24 10:50	30-Apr-24 13:34
FS - 30 24"	H242299-03	Soil	29-Apr-24 10:54	30-Apr-24 13:34
FS - 65 24"	H242299-04	Soil	29-Apr-24 10:32	30-Apr-24 13:34
FS - 66 24"	H242299-05	Soil	29-Apr-24 01:34	30-Apr-24 13:34
FS - 78 3"	H242299-06	Soil	29-Apr-24 10:42	30-Apr-24 13:34
FS - 87 24"	H242299-07	Soil	29-Apr-24 10:40	30-Apr-24 13:34
SW - 28 0-24"	H242299-08	Soil	29-Apr-24 10:48	30-Apr-24 13:34
SW - 29 0-24"	H242299-09	Soil	29-Apr-24 10:52	30-Apr-24 13:34
SW - 30 0-24"	H242299-10	Soil	29-Apr-24 10:56	30-Apr-24 13:34
SW - 65 0-24"	H242299-11	Soil	29-Apr-24 10:36	30-Apr-24 13:34
SW - 66 0-24"	H242299-12	Soil	29-Apr-24 10:38	30-Apr-24 13:34
SW - 87 0-24"	H242299-13	Soil	29-Apr-24 10:30	30-Apr-24 13:34

05/09/24 - Client added chloride to sample -03 (see COC). This is the revised report and will replace the one sent on 05/06/24.

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project:MARIS FEDERAL #1Reported:Project Number:03B141714209-May-24 09:25Project Manager:KELLY LOWERYFax To:Fax To:							
			FS -	28 24 299-01 (Se						
			П242	299-01 (50	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043024	MS	02-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043024	MS	02-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043024	MS	02-May-24	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	-134	4043024	MS	02-May-24	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1	-148	4043024	MS	02-May-24	8015B	

#### **Cardinal Laboratories**

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project: MARIS FEDERAL #1 Reported: Project Number: 03B1417142 09-May-24 09:25 Project Manager: KELLY LOWERY Fax To:								
			FS -	29 24	••					
			H2422	299-02 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	15.5		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			94.7 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	4043025	ms	01-May-24	8015B	

#### **Cardinal Laboratories**

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03B				0	Reported: 9-May-24 09:	25
			FS - H2422	30 24 299-03 (So						
					·)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	4050823	AC	08-May-24	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			101 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	4043025	ms	01-May-24	8015B	

**Cardinal Laboratories** 

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project:MARIS FEDERAL #1Reported:Project Number:03B141714209-May-24 09:25Project Manager:KELLY LOWERYFax To:Fax To:								
			FS -	65 24	••					
			H2422	299-04 (S	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	15.4		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			93.1 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			98.5 %	49.1	-148	4043025	ms	01-May-24	8015B	

#### **Cardinal Laboratories**

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project:MARIS FEDERAL #1Reported:Project Number:03B141714209-May-24 09:25Project Manager:KELLY LOWERYFax To:Fax To:								
			FS -							
			H2422	299-05 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Petroleum Hydrocarbons by G	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			99.8 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1	-148	4043025	ms	01-May-24	8015B	

#### Cardinal Laboratories

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03B	MARIS FEDERAL #1 Reported: 03B1417142 09-May-24 09:25 KELLY LOWERY							
				- 78 3'								
			П2422	299-06 (Se	)11)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	l Laborat	tories							
Petroleum Hydrocarbons by G	C FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B			
Surrogate: 1-Chlorooctane			80.4 %	48.2	-134	4043025	ms	01-May-24	8015B			
Surrogate: 1-Chlorooctadecane			80.8 %	49.1	-148	4043025	ms	01-May-24	8015B			

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## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project:MARIS FEDERAL #1Reported:Project Number:03B141714209-May-24 09:25Project Manager:KELLY LOWERYFax To:Fax To:								
			FS -	87 24	••					
			H2422	299-07 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	24.7		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			92.7 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			96.4 %	49.1	-148	4043025	ms	01-May-24	8015B	

#### Cardinal Laboratories

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana Fax SW -	ber: 03B ger: KEL To:	LY LOWER			0	Reported: 9-May-24 09:	25
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Anaiyw	ixesuit	WIDL		l Laborat		Daten	Anaiyst	Anaryzeu	Weniou	THORES
Inorganic Compounds			Cardina	i Ladorai	ories					
Chloride	16.0		16.0	mg/kg	4	4050236	AC	02-May-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4050117	JH	02-May-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	4050117	ЈН	02-May-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			92.4 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	4043025	ms	01-May-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03B ger: KEL To:	LY LOWER'			0	Reported: 9-May-24 09:	25
			H2422	299-09 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	4050236	AC	02-May-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	4050117	JH	02-May-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			77.1 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			80.0 %	49.1	-148	4043025	ms	01-May-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana Fax	ber: 03B ger: KEL To:	LY LOWER			0	Reported: 9-May-24 09:	25
			SW - H2422	30 0-2 299-10 (So	-					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	256		16.0	mg/kg	4	4050236	AC	02-May-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	4050117	JH	02-May-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	35.2		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			85.7 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			91.7 %	49.1	-148	4043025	ms	01-May-24	8015B	

# Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana Fax SW -	ber: 03B ger: KEL To: <b>65 0-2</b>	LY LOWER			0	Reported: 9-May-24 09:	25
[			H2422	299-11 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	4050245	HM	02-May-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4050117	JH	02-May-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4050117	JH	02-May-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	4050117	JH	02-May-24	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			78.4 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			81.3 %	49.1	-148	4043025	ms	01-May-24	8015B	

# Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana Fax	ber: 03B ger: KEL To:	LY LOWER'			0	Reported: 9-May-24 09:	25
			SW - H2422	66 0-2 299-12 (Se	-					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	4050245	HM	02-May-24	4500-Cl-B	
Volatile Organic Compounds by 1	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4050117	JH	02-May-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	4050117	ЛН	02-May-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctane			80.0 %	48.2	-134	4043025	ms	01-May-24	8015B	
Surrogate: 1-Chlorooctadecane			82.5 %	49.1	-148	4043025	ms	01-May-24	8015B	

## **Cardinal Laboratories**

\*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

# Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana Fax SW -	ber: 03B ger: KEL To:	LY LOWER			0	Reported: 9-May-24 09:	25
				299-13 (80	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	4050245	HM	02-May-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4050117	JH	02-May-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4050117	JH	02-May-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4050117	ЛН	02-May-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	4050117	JH	02-May-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4043025	ms	02-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4043025	ms	02-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4043025	ms	02-May-24	8015B	
Surrogate: 1-Chlorooctane			79.2 %	48.2	-134	4043025	ms	02-May-24	8015B	
Surrogate: 1-Chlorooctadecane			83.0 %	49.1	-148	4043025	ms	02-May-24	8015B	

## **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: Project Number: Project Manager: Fax To:		Reported: 09-May-24 09:25
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# **Inorganic Compounds - Quality Control**

Cardinal Laboratories										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4050236 - 1:4 DI Water										
Blank (4050236-BLK1)				Prepared &	Analyzed:	02-May-24	Ļ			
Chloride	ND	16.0	mg/kg							
LCS (4050236-BS1)				Prepared &	Analyzed:	02-May-24	Ļ			
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4050236-BSD1)				Prepared &	Analyzed:	02-May-24	Ļ			
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
Batch 4050245 - 1:4 DI Water										
Blank (4050245-BLK1)				Prepared &	Analyzed:	02-May-24	Ļ			
Chloride	ND	16.0	mg/kg							
LCS (4050245-BS1)				Prepared &	Analyzed:	02-May-24	ŀ			
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4050245-BSD1)				Prepared &	Analyzed:	02-May-24	Ļ			
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 4050823 - 1:4 DI Water										
Blank (4050823-BLK1)				Prepared &	Analyzed:	08-May-24				
Chloride	ND	16.0	mg/kg	-	-					
LCS (4050823-BS1)				Prepared &	Analyzed:	08-May-24				

## **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project Nu Project Ma	umber:	MARIS FEDE 03B1417142 KELLY LOWI	42 09-May-24 09:2					
	Inor	ganic Com Cardir	-	s - Quality ( ooratories	Control					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4050823 - 1:4 DI Water	Result	Liiiit	Units	Level	Kesun	70NEC	Linits	Kr <i>D</i>	Limit	Notes

LCS Dup (4050823-BSD1)				Prepared & Analyzed:	08-May-24	1		
Chloride	448	16.0	mg/kg	400	112	80-120	3.64	20

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: Project Number: Project Manager: Fax To:		Reported: 09-May-24 09:25
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardina	l Laboratories
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4050117 - Volatiles										
Blank (4050117-BLK1)				Prepared: (	)1-May-24	Analyzed:	02-May-24			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	71.5-134			
LCS (4050117-BS1)				Prepared: (	01-May-24	Analyzed:	02-May-24			
Benzene	2.11	0.050	mg/kg	2.00		106	82.8-130			
Toluene	2.20	0.050	mg/kg	2.00		110	86-128			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	85.9-128			
m,p-Xylene	4.53	0.100	mg/kg	4.00		113	89-129			
o-Xylene	2.20	0.050	mg/kg	2.00		110	86.1-125			
Total Xylenes	6.72	0.150	mg/kg	6.00		112	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0522		mg/kg	0.0500		104	71.5-134			
LCS Dup (4050117-BSD1)				Prepared: (	01-May-24	Analyzed:	02-May-24			
Benzene	2.00	0.050	mg/kg	2.00		99.8	82.8-130	5.61	15.8	
Toluene	2.08	0.050	mg/kg	2.00		104	86-128	5.41	15.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	85.9-128	5.74	16	
m,p-Xylene	4.32	0.100	mg/kg	4.00		108	89-129	4.71	16.2	
o-Xylene	2.08	0.050	mg/kg	2.00		104	86.1-125	5.37	16.7	
Total Xylenes	6.40	0.150	mg/kg	6.00		107	88.2-128	4.92	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	71.5-134			

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager


ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: Project Number: Project Manager: Fax To:		Reported: 09-May-24 09:25
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### Petroleum Hydrocarbons by GC FID - Quality Control

Calumai Laboratories	Cardinal	Laboratories
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4043024 - General Prep - Organics										
Blank (4043024-BLK1)				Prepared: 3	30-Apr-24 A	nalyzed: 0	1-May-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	55.3		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	55.9		mg/kg	50.0		112	49.1-148			
LCS (4043024-BS1)				Prepared: 3	30-Apr-24 A	nalyzed: 0	1-May-24			
GRO C6-C10	199	10.0	mg/kg	200		99.6	66.4-123			
DRO >C10-C28	222	10.0	mg/kg	200		111	66.5-118			
Total TPH C6-C28	422	10.0	mg/kg	400		105	77.6-123			
Surrogate: 1-Chlorooctane	58.4		mg/kg	50.0		117	48.2-134			
Surrogate: 1-Chlorooctadecane	58.2		mg/kg	50.0		116	49.1-148			
LCS Dup (4043024-BSD1)				Prepared: 3	30-Apr-24 A	nalyzed: 0	1-May-24			
GRO C6-C10	195	10.0	mg/kg	200		97.7	66.4-123	1.91	17.7	
DRO >C10-C28	218	10.0	mg/kg	200		109	66.5-118	1.81	21	
Total TPH C6-C28	414	10.0	mg/kg	400		103	77.6-123	1.85	18.5	
Surrogate: 1-Chlorooctane	54.2		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	54.7		mg/kg	50.0		109	49.1-148			
Batch 4043025 - General Prep - Organics										
Blank (4043025-BLK1)				Prepared: 3	30-Apr-24 A	nalyzed: 0	1-May-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							

### Cardinal Laboratories

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

### \*=Accredited Analyte

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mg/kg

mg/kg

50.0

50.0

110

118

48.2-134

49.1-148

54.8

58.8

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MAR] Project Number: 03B1 Project Manager: KELL Fax To:		Reported: 09-May-24 09:25
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### 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 4043025 - General Prep - Organics										
LCS (4043025-BS1)				Prepared: 3	30-Apr-24 A	analyzed: 0	1-May-24			
GRO C6-C10	212	10.0	mg/kg	200		106	66.4-123			
DRO >C10-C28	203	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	415	10.0	mg/kg	400		104	77.6-123			
Surrogate: 1-Chlorooctane	58.7		mg/kg	50.0		117	48.2-134			
Surrogate: 1-Chlorooctadecane	61.9		mg/kg	50.0		124	49.1-148			
LCS Dup (4043025-BSD1)				Prepared: 3	30-Apr-24 A	analyzed: 0	1-May-24			
GRO C6-C10	222	10.0	mg/kg	200		111	66.4-123	4.40	17.7	
DRO >C10-C28	207	10.0	mg/kg	200		103	66.5-118	1.77	21	
Total TPH C6-C28	428	10.0	mg/kg	400		107	77.6-123	3.12	18.5	
Surrogate: 1-Chlorooctane	56.0		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	59.4		mg/kg	50.0		119	49.1-148			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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**CARDINAL** Laboratories

Page 23 of 23

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



May 16, 2024

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

RE: MARIS FEDERAL #1

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

### Sample ID: SW - 3 0-36" (H242556-01)

ТРН 8015М	mg/kg			Analyzed 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*	11.7	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	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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PLEASE NOTE: Liability and Damages. Cardinal's liability and dents exclusive tem snalyees. All claims including those for negligence and any other cause whatbacever service. In no event shall Cardinal be liable for incidential or consequential damages. Antifies or successor arising out of or related to the performance of services berew Relinquished By: Relinquished By: Delivered By: (Circle One) Delivered By: (Circle One)	SW S	Sample I.D.	Tabitha G	Eddy Can	laris Fede	RIVI7142	8858		Address: 601 N Marienfeld Street, Suite 400	Beaux Jennings	nsolum, LLC	101 East Marland, Hobbs, NM 88240
r clearts exclusive remedy for an far cause, withshower shall be d somequiental demapor, including ance of services hereunder by <u>C</u> <b>Date:</b> <b>S</b> /10/24 <b>Time:</b> <b>Date:</b> <b>Date:</b> <b>Corrected Temp</b> . *C	0- 56 "		ovadian	H	deral #001	Project Owner:	Fax #:	te: TX	ite 400			and, Hobbs, NM 88240
in daha arabig whether based in contract or for beened waived unless made in writing and rece variant, negarchess of whether such daims base Received By: Received By: Cool Intact Cool Intact		GRAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL						Zip: 79701				60 V
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Page 4 of 4



July 03, 2024

Kelly Lowery Ensolum, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 07/02/24 13:46.

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

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



	KE 70 MI	NSOLUM, LLC ELLY LOWERY D5 W WADLEY AVE. IDLAND TX, 79705 ax To:		
Received:	07/02/2024		Sampling Date:	07/02/2024
Reported:	07/03/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM			

### Sample ID: FS - 27 20" (H243971-01)

TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/03/2024	ND	184	92.0	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	182	90.8	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

### Sample ID: FS - 34 6" (H243971-02)

TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/03/2024	ND	184	92.0	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	182	90.8	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	93.7 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	6 49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	07/02/2024		Sampling Date:	07/02/2024
Reported:	07/03/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM			

### Sample ID: FS - 51 6" (H243971-03)

TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/03/2024	ND	184	92.0	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	182	90.8	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

### Sample ID: SW - 1 0-18" (H243971-04)

Chloride, SM4500Cl-B	oride, SM4500Cl-B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/03/2024	ND	416	104	400	3.77	

### Sample ID: SW - 5 0-18" (H243971-05)

Chloride, SM4500Cl-B	hloride, SM4500Cl-B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/03/2024	ND	416	104	400	3.77	

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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ARDINAL

Page 5 of 5

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



October 31, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 10/23/24 14:00.

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

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024	Sampling Date:	10/23/2024
Reported:	10/31/2024	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., NM		

### Sample ID: FS - 2 19" (H246459-01)

TPH 8015M	mg	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	240	120	200	1.87	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	234	117	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

### Sample ID: FS - 5 19" (H246459-02)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/24/2024	ND	416	104	400	10.9	
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	10/24/2024	ND	240	120	200	1.87	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	234	117	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., NM			

### Sample ID: FS - 6 19" (H246459-03)

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	10/24/2024	ND	416	104	400	10.9	

### Sample ID: FS - 8 19" (H246459-04)

Chloride, SM4500Cl-B	OCI-B mg/kg			d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/24/2024	ND	416	104	400	10.9	

### Sample ID: FS - 10 19" (H246459-05)

Chloride, SM4500Cl-B	DCI-B mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/24/2024	ND	416	104	400	10.9	

### Sample ID: FS - 12 19" (H246459-06)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/24/2024	ND	416	104	400	10.9	

### Sample ID: FS - 13 19" (H246459-07)

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2024	ND	416	104	400	10.9	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 15 19" (H246459-08)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	240	120	200	1.87	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	234	117	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	126 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 \$	% 49.1-14	8						

### Sample ID: FS - 18 19" (H246459-09)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	240	120	200	1.87	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	234	117	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	124 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	<i>49.1-14</i>	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., NM	1		

### Sample ID: FS - 58 4" (H246459-10)

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	10/24/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

### Sample ID: FS - 59 4" (H246459-11)

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	10/24/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	122 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 %	49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 60 4" (H246459-12)

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	10/24/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	124	48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

### Sample ID: FS - 61 4" (H246459-13)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	119 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 %	6 49.1-14	8						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 62 4" (H246459-14)

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	10/24/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

### Sample ID: FS - 63 4" (H246459-15)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	120 %	48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 %	6 49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 64 4" (H246459-16)

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	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

### Sample ID: FS - 67 4" (H246459-17)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	123 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 %	6 49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 68 4" (H246459-18)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

### Sample ID: FS - 69 4" (H246459-19)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	123 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 %	6 49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 70 4" (H246459-20)

TPH 8015M	mg,	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

### Sample ID: FS - 71 4" (H246459-21)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	124 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132 %	6 49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 72 4" (H246459-22)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

### Sample ID: FS - 73 4" (H246459-23)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	125 %	48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 %	49.1-14	8						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 74 4" (H246459-24)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

### Sample ID: FS - 75 4" (H246459-25)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	123 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 %	49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., NM	l		

### Sample ID: FS - 76 4" (H246459-26)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	121	48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

### Sample ID: FS - 77 4" (H246459-27)

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	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	125 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 %	6 49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024	Sampling Date:	10/23/2024
Reported:	10/31/2024	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., NM		

### Sample ID: FS - 78 4" (H246459-28)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/24/2024	ND	416	104	400	10.9	
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	10/30/2024	ND	224	112	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	205	102	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

### Sample ID: FS - 79 4" (H246459-29)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/24/2024	ND	432	108	400	0.00	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024		Sampling Date:	10/23/2024
Reported:	10/31/2024		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS - 84 4" (H246459-30)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

### Sample ID: FS - 85 4" (H246459-31)

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	10/25/2024	ND	211	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	215	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	115 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 %	6 49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/23/2024	Sampling Date:	10/23/2024
Reported:	10/31/2024	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO., NM		

### Sample ID: FS - 86 4" (H246459-32)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	218	109	200	4.91	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

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

Comments Man						
Company Main	Company Maille. Lisolull, LLC			BILL TO		ANALYSIS REQUEST
Project Manager:	ar: Kelly Lowery			P.O. #:	_	
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	uite 400		Oxy, USA, Inc.		
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 214	214-733-3165	Fax #:		Address:		
Project #: 038	03B1417142	Project Owner:	er:	City:		
Project Name:	Maris Federal #001			State: Zin:		
Project Location:	n: Eddy County, New Mexico	w Mexico		#		
Sampler Name:	Tabitha Guadian			Eav #:		
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	Depth	G)RAB OR (C)OMP. # CONTAINERS ROUNDWATER VASTEWATER OIL LUDGE		PH 8015M Chlorides 4500	
	FS-2	19"			< т	
J	FS-5	19"	C X	X 10/23/24 10-20	< >	
w	FS-6	19"		10/23/24	>	
2	FS-8	19"	C X	10/23/24		
S	FS-10	19"		10/23/24	× >	
6	FS-12	19"				
La	FS-13	19"		10/23/24	X	
200	FS-15	19"			×	
9	FS-18	19"				
ID PLEASE NOTE: Hisbally and	FS-58	4"	C X	123/24	X	
analyses. All claims including service In no event shall Card affiliates or successors arising affiliates or successors arising Relinouished Rv.	ding those for negligence and any other Cardinal be liable for incidental or conse sing out of or related to the performance <b>Xv</b>	carts exclusive remedy for any clair cause whatsoever shall be deeme quental damages, including withou of services hereunder by Cardinal	analyses. All claims and unnanges, canonas summy and clients exclusive medy for any daim analog whether based in contract or tort, shall be limited to the service. In on evert shall Cardinal be liable for incidental or consequential damages, including without limitading, business interruptions, loss of use, or toos or profits in affiliates or successors arising out of or related to the performance of services herwinder by Cardinal, regardless of whether such claim is based upon any of the above Refinances for an every shall be above the performance of services herwinder by Cardinal, regardless of whether such claim is based upon any of the above Refinances for an every service of the performance of services herwinder by Cardinal, regardless of whether such claim is based upon any of the above the service of the service of the service of the performance of services herwinder by Cardinal, regardless of whether such claim is based upon any of the above the service of the service of the service of the service of the performance of services herwinder by Cardinal, regardless of whether such claim is based upon any of the above the service of the service of the service of the service of the performance of services herwinder by Cardinal regardless of whether such claim is based upon any of the above the service of the service o	amount paid by 10 days after cor ICurred by client, re stated reason	t for the of the applicable idlaries, rwise	
A maintained by		16/13/24	Received By:		Verbal Result:	Add'I Phone #: vide Email address:
Relinquished By:		Date:	Received By:	klower	Klowen OPINSO INIM, COM	
		Time:				

Received by OCD: 6/20/2025 10:04:43 AM

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

Observed Temp. "C Corrected Temp. \*CO

0

Sample Condition Cool Intact Yes Yes No No No

CHECKED BY: (Initials)

Turnaround Time: Star Rus Thermometer ID #443 # 140 Correction Factor -0.5°C- D. ( a

Rush

Bacteria (only) Sample Condition Cool Intact Observed Temp. Yes Yes Nc No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

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

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum. LLC					
			BILL TO		ANALYSIS REDUCET
Kelly Lowery			P.O. #:	-	
Address: 601 N Marienfeld Street, Suite 400	Suite 400		Oxy, USA, Inc.		
City: Midland	State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 214-733-3165	Fax #:		Address:		
Project #: 03B1417142	Project Owner:		City		
Project Name: Maris Federal #001					
Project Location: Eddy County, New Mexico	ew Mexico		clr:		
			Phone #		
Sampler Name: Tabitha Guadian			Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.	5	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER : CID/BASE: CE / COOL SOTHER :	PH 8015M Chlorides 4500	
1) FS-59		X			
12 FS-60			X 10/23/24 0	× ×	
13 FS-61			0/23/24		
14 FS-62	4"		VCIEC/UN	V PSCA X	
15 FS-63	4" 0		10/23/24		
10 FS-64		C X	10/23/24		
17) FS-67	4" C		VC/CC/UN		
18 FS-68			10/23/24		
19 FS-69	4" C		10/23/24	X	
EASE NOTE: Liability and Parameter Contents in the	4" C	X	X 10/23/24	106 X	
analyses. All claims including those for negligance and any other seclusive remody for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for indernition consequential damages, including without limitation, business made in writing and received by Cardinal within 30 days after completion of the applicab affinities or successors arising out of or related to the performance of services herunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	reards exclusive remedy for any claim a rease whatsoever shall be deemed w equental damages, including without line e of services hereunder by Cardinal, re e <b>Date</b> :	aim arising whether based in contract o net waived unless made in writing and out limitation, business interruptions, io nal, regardless of whether such claim is to contract the terres of the such claim is	Arether based in contract or tort, shall be limited to the amount paid by the Inless made in writing and received by Cardinal within 30 days after com I. Uusiness interruptions, loss of use, or loss of profits incurred by client, it as of whether such claim is based upon any of the above stated reasons and the such claim is based upon any of the above stated reasons.	the client for the impletion of the applicable .lts subsidiaries, s or otherwise.	
MA	10/23/24 Time: 54	Received By:		ult: are en	□ Yes □ No  Add'l Phone #: nailed. Please provide Email address:
Relinquished By:		Received By:	RE	klowery@ensolum.com REMARKS:	

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

Corrected Temp. "C Observed Temp. "C Time:

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14'

Sample Condition Cool Intact

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition Cool Intact Observed Temp. Ves Ves Nc No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

Thermometer ID 4413 # 140 Carraction Factor - 0.5°C- (). ()

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

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2 of 4

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

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

Company Name: Ensolum, LLC	Ensolum, LLC					
Project Manager:	Kelly I owers			BILL TO		ANALYSIS REQUEST
Address: 601 N M	Address: 601 N Marienfeld Street, Suite 400	uite 400		Dwy lich las		
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 214-7:	214-733-3165	Fax #:		Address:		
Project #: 03B1	03B1417142	Project Owner:	er:	City		
Project Name: N	Maris Federal #001					
Project Location:	Eddy County, New Mexico	v Mexico		Dhone #		
Sampler Name:	Tabitha Guadian					
FOR LAB USE ONLY				Fax #:		
				PRESERV. SAMPLING	00	
Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE		TPH 8015M Chlorides 450	
2	FS-71	4"	X	VOICCIUL X	+	
2	FS-72	4"		_	< >	
20	FS-73	4"			× >	
he	FS-74	4"		VC/20/01	× >	
S	FS-75	4"			× >	
de	FS-76	4"		10/23/24	X	
76	FS-77	4"	C X		XXXX	
80	FS-78	4"	C	10/23/24	XX	
poq	FS-79	4"		10/23/24 11	X	
ASE NOTE: Liability and Dam	FS-84	4"	C X	X 10/23/24 L128	×	
analyses. All claims including thos service. In no event shall Cardinal affiliates or successors arising out of <b>Relinquished By:</b>	se for negligence and any other c be liable for incidental or consec of or related to the performance	ause whatsoever shall be d ause whatsoever shall be d puental damages, including of services hereunder by C Dafe-	vinitabover shall be deemed whole whether based in contract o vinitabover shall be deemed whole unless make in welling and al damages, including without limitation, business interruptions, lo recises hereunder by Cardinal, regardless of whether such claim is late.	analyses. All claims including those for negligence and any other cause whatarown shall be deemed waived unless made in writing and necewod by Cardinal be finited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by cland any disparse completion of the applicab atfiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquished By:	he applicable ss,	
()		10/13/24 Time:	Received By:	Verbal Result: All Results are	Pemailed. Please provi	Add'l Phone #: de Email address:
Relinquished By:		LOU Date:	andana	klowery@	klowery@ensolum.com	
remission of the		Date:	Received By:	REMARKS:	V lict roa	wat and advant

Received by OCD: 6/20/2025 10:04:43 AM

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

Con

acted Temp. "C

Sample Condition Cool Intact Yes Yes No No No

CHECKED BY: (Initials) 5

Turnaround Time:

Standard Rush g

-¢ A 1

10 - 10

29/24

Bacteria (only) Śample Condition Cool Intact Observed Temp. Ves Ves Nc No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

anali

Thermometer ID #143 10/00 Corraction Factor -0.5°C-D. 62

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

Observed Temp. "C. 4.4

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam	Company Name: Ensolum, LLC			8111 7		
Project Manager:	er: Kelly Lowery			P.O. #		ANALYSIS REQUEST
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Oxv. USA Inc		
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 214	214-733-3165	Fax #:		Address:		
Project #: 03	03B1417142	Project Owner:	er:	City:		
Project Name:	Maris Federal #001					
Project Location:	n: Eddy County, New Mexico	ew Mexico		citic: :aipic		
Camples Mana	1	SM INEXICO		Phone #		
Sampler Name:	Tabitha Guadian			Fax #:		
FOR LAB USE ONLY			MP. MATRIX	PRESERV.	SAMPLING	
Lab I.D.	Sample I.D.	Depth	G)RAB OR (C)OM # CONTAINERS GROUNDWATER VASTEWATER OIL	LUDGE THER : CID/BASE: E / COOL THER :		
900	FS-85	4"	V Xs			
UX X	FS-86	4"	C   X	-	1132	
	NAC	MI				
				182101	24	/
					-	c
PLEASE NOTE: Liability and C	Jamages. Cardinal's liability and cl	enf's exclusive remarks for an				
analyses. All claims including t service. In no event shall Cardi affiliates or successors arising o <b>Relinguished Bv</b> -	hose for negligence and any other nai be liable for incidental or conse out of or related to the performance	cause whatsoever shall be deemed squental damages, including without of services hereunder by Cardinal	yr claim arising whether based in contra leerned walved unless made in writing a without limitation, business interruptions without limitation, business interruptions indinal, regardless of whether such claim indinal.	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witting and received by Cardinal wittin 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by cland, its subsidiaries, artificities 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 tansance, or whenever Refinquished By:	aid by the client for the fifer completion of the applicable y client, its subsidiaries, reasons or otherwise	
2		10/23/24	Received By:		Verbal Result:  Verbal Result:  Yes All Results are emailed. Pl	Verbal Result:  Ves No Add'I Phone #: All Results are emailed. Please provide Fmail addresse:
Relinquished By:		Date:	Received By:		klowery@ensolum.com REMARKS:	rease provide Email address;
Delivered By: (Circle One) Sampler - UPS - Bus - Other	her:	Observed Temp. "C). () ()	- 10	CHECKED BY: (Initials)	Turnaround Time: Sta	dard Bacteria (only) S
FURM-006 R 3.2	12//0/01	W	U-I CI NO I NO	B	Correction Factor -0.5°C C. /	

Received by OCD: 6/20/2025 10:04:43 AM Sampler - UPS - Bus - Other:

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

Carroation Factor :0.5°C-0.1

Bacteria (only) Sample Condition Cool Intact Observed Temp. Ves Ves Nc No Corrected Temp.

Corrected Temp. °C Observed Temp. °C

4 of 4



March 25, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 03/20/25 14:14.

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

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager


		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NN	4		

## Sample ID: FS 68 1/3' (H251649-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/24/2025	ND	400	100	400	3.92	
ТРН 8015М	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	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	82.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.7	% 40.6-15	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

## Sample ID: FS 78 1/3' (H251649-02)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	102 9	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM	1		

## Sample ID: FS 76 1/3' (H251649-03)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	97.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.1	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM	1		

## Sample ID: FS 61 1/3' (H251649-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	97.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.2	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

## Sample ID: FS 67 1/3' (H251649-05)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	24.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	96.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.8	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

## Sample ID: FS 72 1/3' (H251649-06)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	96.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.2	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

## Sample ID: FS 75 1/3' (H251649-07)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	192	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	92.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	91.9	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM			

## Sample ID: FS 71 1/3' (H251649-08)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	160	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	103	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	102	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	KE 70 M	NSOLUM, LLC ELLY LOWERY 05 W WADLEY AVE. IIDLAND TX, 79705 ax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM			

## Sample ID: FS 60 1/3' (H251649-09)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	464	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	101	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	101	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM			

## Sample ID: FS 70 1/3' (H251649-10)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	96.0	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	102 9	40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

## Sample ID: FS 77 12" (H251649-11)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	144	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	103	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	103	40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM	1		

# Sample ID: FS 79 4" (H251649-12)

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	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	240	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	95.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.4	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM			

# Sample ID: FS 74 4" (H251649-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	Qualifie
Chloride	128	16.0	03/21/2025	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	Qualifie
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	105	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	105	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	KE 70 M	NSOLUM, LLC ELLY LOWERY 05 W WADLEY AVE. IIDLAND TX, 79705 ax To:		
Received:	03/20/2025		Sampling Date:	03/18/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM			

# Sample ID: FS 69 4" (H251649-14)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	Qualifie
Chloride	144	16.0	03/21/2025	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	Qualifie
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	100	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.5	% 40.6-15	3						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS 15 24" (H251649-15)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	224	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	85.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	83.5	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	 	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM			

## Sample ID: FS 84 4" (H251649-16)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/21/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	128	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	97.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	92.6	% 40.6-15	3						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM			

## Sample ID: FS 85 4" (H251649-17)

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	03/22/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/22/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	208	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	90.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	86.0	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

## Sample ID: FS 86 4" (H251649-18)

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	03/22/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/22/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	160	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	22.7	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	98.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.9	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS 62 12" (H251649-19)

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	03/22/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/22/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	336	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.4	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

### Sample ID: FS 73 12" (H251649-20)

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	03/22/2025	ND	1.92	96.0	2.00	2.96	
Toluene*	<0.050	0.050	03/22/2025	ND	2.03	102	2.00	0.969	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.8	2.00	0.0271	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.86	97.7	6.00	0.300	
Total BTEX	<0.300	0.300	03/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 \$	% 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	224	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	92.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	89.1	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: FS 12 36" (H251649-21)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	320	16.0	03/21/2025	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	03/21/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	95.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.6	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

### Sample ID: FS 10 48" (H251649-22)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	176	16.0	03/21/2025	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	03/22/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					
Surrogate: 1-Chlorooctane	98.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.2	% 40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	Μ		

#### Sample ID: FS 13 30" (H251649-23)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	272	16.0	03/21/2025	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	03/22/2025	ND	230	115	200	5.98	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	214	107	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					
Surrogate: 1-Chlorooctane	100 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	99.3	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

## Sample ID: FS 58 4" (H251649-24)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	208	16.0	03/21/2025	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	03/21/2025	ND	204	102	200	7.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	76.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	72.8	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	Μ		

## Sample ID: FS 64 4" (H251649-25)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	80.0	16.0	03/21/2025	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	03/21/2025	ND	204	102	200	7.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	90.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	85.8	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

## Sample ID: FS 63 4" (H251649-26)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	288	16.0	03/21/2025	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	03/21/2025	ND	204	102	200	7.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	79.6	% 40.6-15							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

#### Sample ID: FS 34 36" (H251649-27)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	204	102	200	7.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	91.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.0	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	L	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	Μ		

## Sample ID: FS 59 4" (H251649-28)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	204	102	200	7.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	87.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.0	% 40.6-15	3						

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#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NN	4		

### Sample ID: FS 08 36" (H251649-29)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	204	102	200	7.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	89.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	85.2	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/20/2025		Sampling Date:	03/19/2025
Reported:	03/25/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

### Sample ID: SW 01 0-36" (H251649-30)

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	03/21/2025	ND	1.96	97.9	2.00	2.05	
Toluene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.18	103	6.00	0.782	
Total BTEX	<0.300	0.300	03/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/24/2025	ND	400	100	400	3.92	
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	03/21/2025	ND	204	102	200	7.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	214	107	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	89.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	83.8	% 40.6-15	3						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Received by OCD: 6/20/2025 10:04:43 AM

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# Received by OCD: 6/20/2025 10:04:43 AM

ARDINA



# Received by OCD: 6/20/2025 10:04:43 AM

ARDINA



March 26, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 03/21/25 16:34.

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

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/21/2025	Sampling Date:	03/20/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

# Sample ID: FS 2 7' (H251692-01)

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	03/24/2025	ND	1.86	93.1	2.00	0.737	
Toluene*	<0.050	0.050	03/24/2025	ND	1.95	97.5	2.00	1.81	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	1.97	98.7	2.00	3.40	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.11	102	6.00	2.26	
Total BTEX	<0.300	0.300	03/24/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/25/2025	ND	416	104	400	7.41	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	194	96.9	200	5.82	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	192	95.9	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					
Surrogate: 1-Chlorooctane	91.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	91.9	% 40.6-15	3						

## Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	03/21/2025	Sampling Date:	03/20/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 6 7' (H251692-02)

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	03/24/2025	ND	1.86	93.1	2.00	0.737	
Toluene*	<0.050	0.050	03/24/2025	ND	1.95	97.5	2.00	1.81	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	1.97	98.7	2.00	3.40	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.11	102	6.00	2.26	
Total BTEX	<0.300	0.300	03/24/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/25/2025	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	03/24/2025	ND	194	96.9	200	5.82	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	192	95.9	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.4	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2025	Sampling Date:	03/20/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 27 3' (H251692-03)

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	03/24/2025	ND	1.86	93.1	2.00	0.737	
Toluene*	<0.050	0.050	03/24/2025	ND	1.95	97.5	2.00	1.81	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	1.97	98.7	2.00	3.40	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.11	102	6.00	2.26	
Total BTEX	<0.300	0.300	03/24/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/25/2025	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	03/24/2025	ND	194	96.9	200	5.82	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	192	95.9	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					
Surrogate: 1-Chlorooctane	96.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	95.3	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2025	Sampling Date:	03/20/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 28 3' (H251692-04)

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	03/24/2025	ND	1.86	93.1	2.00	0.737	
Toluene*	<0.050	0.050	03/24/2025	ND	1.95	97.5	2.00	1.81	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	1.97	98.7	2.00	3.40	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.11	102	6.00	2.26	
Total BTEX	<0.300	0.300	03/24/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/25/2025	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	03/24/2025	ND	194	96.9	200	5.82	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	192	95.9	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					
Surrogate: 1-Chlorooctane	91.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	90.2	% 40.6-15	3						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2025	Sampling Date:	03/20/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 29 3' (H251692-05)

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	03/24/2025	ND	1.86	93.1	2.00	0.737	
Toluene*	<0.050	0.050	03/24/2025	ND	1.95	97.5	2.00	1.81	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	1.97	98.7	2.00	3.40	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.11	102	6.00	2.26	
Total BTEX	<0.300	0.300	03/24/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/25/2025	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	03/24/2025	ND	194	96.9	200	5.82	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	192	95.9	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.2	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2025	Sampling Date:	03/20/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 30 3' (H251692-06)

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	03/24/2025	ND	1.86	93.1	2.00	0.737	
Toluene*	<0.050	0.050	03/24/2025	ND	1.95	97.5	2.00	1.81	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	1.97	98.7	2.00	3.40	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.11	102	6.00	2.26	
Total BTEX	<0.300	0.300	03/24/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/25/2025	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	03/24/2025	ND	194	96.9	200	5.82	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	192	95.9	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					
Surrogate: 1-Chlorooctane	87.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.2	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2025	Sampling Date:	03/20/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 31 3' (H251692-07)

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	03/24/2025	ND	1.86	93.1	2.00	0.737	
Toluene*	<0.050	0.050	03/24/2025	ND	1.95	97.5	2.00	1.81	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	1.97	98.7	2.00	3.40	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.11	102	6.00	2.26	
Total BTEX	<0.300	0.300	03/24/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/25/2025	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	03/24/2025	ND	194	96.9	200	5.82	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	192	95.9	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					
Surrogate: 1-Chlorooctane	83.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	85.2	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2025	Sampling Date:	03/20/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: SW 3 0-3' (H251692-08)

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	03/24/2025	ND	1.86	93.1	2.00	0.737	
Toluene*	<0.050	0.050	03/24/2025	ND	1.95	97.5	2.00	1.81	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	1.97	98.7	2.00	3.40	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.11	102	6.00	2.26	
Total BTEX	<0.300	0.300	03/24/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/25/2025	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	03/24/2025	ND	194	96.9	200	5.82	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	192	95.9	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					
Surrogate: 1-Chlorooctane	90.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	89.3	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Ind, Hobbs, NM 88240 26 FAX (575) 393-2476 BILL T Project Owner Project Owner Preserv Preserv OIL SLUDGE OTHER: X V D	Ind, Hobbs, NM 88240 26 FAX (575) 393-2476 27 79701 Email: klowery@ensolum.com Email: klowery@ensolum.com Project Owner Project Owner Project Owner Project Owner City: Company: OXY USA, Inc. Address: City: State: Zip: Phone #: PresERV. SoliL OTHER: City: State: City: DATE TIME BTEX 8021 B	Ind, Hobbs, NM 88240 26 FAX (575) 393-2476 26 FAX (575) 393-2476 26 FAX (575) 393-2476 26 FAX (575) 393-2476 27 Folie Depth City: Project Owner City: Company: OXY USA, Inc. Email: Klowery@ensolum.com Address: City: State: Zip: 2 GROUNDWATER MATRIX PRESERV. State: Zip: 2 Soil Email: Studge Other: State: Zip: 2 Soil City: State: Zip: 3 State: Zi	In the product of a state of the product of a state of the product of a state of the product of	FS2 FS6 FS27 FS28 FS29 FS30 FS31 FS31 FS31 FS31 FS31 FS31 FS31 FS34 FS34 FS34 FS34 FS34 FS34 FS34 FS34	227 227 228 228 229 229 230 230 231 VI 3 VI 3	FS2           FS6           FS27           FS28           FS29           FS31           FS31           SW3           SW3	esenano-	erenand-	s renon	rentmort	sucue	newo	cup-	nor	2-4		E	ta silved	-	Sampler Name: Kaoru Snimaga	Project Location: 32.061907, -103.321.200	Project Name: Maris Federal #001	Project #: 03B1417142	Phone #: 214-733-3165	8	Address: 601 N. Marienfeld St. STE 400	Project Manager: Kelly Lowery	Company Name: Ensolutit, LCC	(575) 393	101 East N
BILL T       P.O. #:       P.O. #:       Company: OXY USA       Attn: Wade Dittrich       Attn: Wade Dittrich       Attn: Wade Dittrich       Address:       City:       State:       State:       Dill       DGE       PRESERV.       NATRX       PRESERV.       MATRX       PRESERV.       PRESERV.       I       I       X       I <tr< td=""><td>BILL TO           P.O. #:           Company: OXY USA, Inc.           Address:           City:           State:           Zip:           Phone #:           Prone #:</td><td>BILL TO         P.O. #:         Company: OXY USA, Inc.         Address:         City:         City:         City:         Zip:         Phone #:         PRESERV.         State:         Zip:         <thzip:< th=""> <thzip:< th="">         Zip:<td></td><td>and the second of the any date of the second of the angle of the second of the second</td><td>ecclusion memory adaceout shall damages, inclu</td><td></td><td>11</td><td>1 70</td><td>0-0</td><td>5-0</td><td>3</td><td>3</td><td>53</td><td>3</td><td>3</td><td>7</td><td>1</td><td>1</td><td></td><td></td><td>a a a a a a a a a a a a a a a a a a a</td><td>8561</td><td>Project Ov</td><td>Email: Ki</td><td>Zip: 79701</td><td></td><td></td><td></td><td>3-2326 FAX (575) 393-</td><td>Aarland, Hobbs, NM 8</td></thzip:<></thzip:<></td></tr<>	BILL TO           P.O. #:           Company: OXY USA, Inc.           Address:           City:           State:           Zip:           Phone #:           Prone #:	BILL TO         P.O. #:         Company: OXY USA, Inc.         Address:         City:         City:         City:         Zip:         Phone #:         PRESERV.         State:         Zip:         Zip: <thzip:< th=""> <thzip:< th="">         Zip:<td></td><td>and the second of the any date of the second of the angle of the second of the second</td><td>ecclusion memory adaceout shall damages, inclu</td><td></td><td>11</td><td>1 70</td><td>0-0</td><td>5-0</td><td>3</td><td>3</td><td>53</td><td>3</td><td>3</td><td>7</td><td>1</td><td>1</td><td></td><td></td><td>a a a a a a a a a a a a a a a a a a a</td><td>8561</td><td>Project Ov</td><td>Email: Ki</td><td>Zip: 79701</td><td></td><td></td><td></td><td>3-2326 FAX (575) 393-</td><td>Aarland, Hobbs, NM 8</td></thzip:<></thzip:<>		and the second of the any date of the second of the angle of the second	ecclusion memory adaceout shall damages, inclu		11	1 70	0-0	5-0	3	3	53	3	3	7	1	1			a a a a a a a a a a a a a a a a a a a	8561	Project Ov	Email: Ki	Zip: 79701				3-2326 FAX (575) 393-	Aarland, Hobbs, NM 8
BILL T BILL T BILL T Street Zip: Zip: Zip: Zip: Zip: Zip: Zip: Zip:	BILL TO BILL TO INFORMATION SAMPLINE STIP: SINCE / COOL SIDE SIDE SIDE SIDE SIDE SIDE SIDE SIDE	BILL TO     ANALYSIS       de Dittrich     Zip:       Zip:     Zip:       Zip:     Zip:       Zip:     DATE       DATE     TIME       DATE     TIME       Standard     Zip:       Zip:     Zip:       Zip:     Zip:       Zip:     DATE       DATE     TIME       Standard     DATE       Value     Zip:       Zip:     Zip:       Zip: <td< td=""><td></td><td>Received By:</td><td>Received by</td><td>adress interruptions, adress of whether su</td><td>system taxed in contrast or intro- system taxed by Cardinal within 30 days effer con systems in writing and received by Cardinal within 100 days effer systems taxed runs or loss of profiles incounted by client</td><td></td><td>2 2</td><td>G I X</td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td>- # 0 / v</td><td>G)RAB OR (C)OMP CONTAINERS SROUNDWATER NASTEWATER SOIL DIL</td><td>MATRIX</td><td></td><td></td><td>vner</td><td>owery@ensolulit.com</td><td>Oncolum com</td><td></td><td></td><td></td><td>24/6</td><td>8240</td></td<>		Received By:	Received by	adress interruptions, adress of whether su	system taxed in contrast or intro- system taxed by Cardinal within 30 days effer con systems in writing and received by Cardinal within 100 days effer systems taxed runs or loss of profiles incounted by client		2 2	G I X	-		-					- # 0 / v	G)RAB OR (C)OMP CONTAINERS SROUNDWATER NASTEWATER SOIL DIL	MATRIX			vner	owery@ensolulit.com	Oncolum com				24/6	8240
	Warbal Result         III           11120         X           X         X           X         X           X         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X           Y         X <td>ANALYSIS ANALYSIS ANA</td> <td>Sample Condition CHECKED BY: Cool Intact (Initials)</td> <td>0</td> <td>signey</td> <td>y of the above stated reasons or otherwise.</td> <td>in 30 days after completion of the applicable service its incurred by client, its subsidiaries,</td> <td>amount paid by the client for the amplytees</td> <td>100000</td> <td>)</td> <td>T</td> <td>T</td> <td>T</td> <td>T</td> <td></td> <td></td> <td></td> <td>X</td> <td>OTHER : ACID/BASE: ICE / COOL OTHER :</td> <td>H</td> <td>Email:</td> <td>Phone #:</td> <td>n</td> <td>City:</td> <td>Address:</td> <td>Attn: Wade Dittrich</td> <td>Company: OXY USA, Inc.</td> <td></td> <td>BILL TO</td> <td>integrate</td>	ANALYSIS ANA	Sample Condition CHECKED BY: Cool Intact (Initials)	0	signey	y of the above stated reasons or otherwise.	in 30 days after completion of the applicable service its incurred by client, its subsidiaries,	amount paid by the client for the amplytees	100000	)	T	T	T	T				X	OTHER : ACID/BASE: ICE / COOL OTHER :	H	Email:	Phone #:	n	City:	Address:	Attn: Wade Dittrich	Company: OXY USA, Inc.		BILL TO	integrate

Received by OCD: 6/20/2025 10:04:43 AM

Page 11 of 11



April 10, 2025

KELLY LOWERY ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 04/07/25 11:46.

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

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	04/07/2025	Sampling Date:	04/04/2025
Reported:	04/10/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 5 11.5' (H252037-01)

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	04/08/2025	ND	2.08	104	2.00	1.76	
Toluene*	<0.050	0.050	04/08/2025	ND	2.11	105	2.00	0.821	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.07	103	2.00	1.17	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.14	102	6.00	1.47	
Total BTEX	<0.300	0.300	04/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	04/08/2025	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	04/07/2025	ND	217	109	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/07/2025	ND	205	102	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					
Surrogate: 1-Chlorooctane	81.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.8	% 40.6-15	3						

## Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/07/2025	Sampling Date:	04/04/2025
Reported:	04/10/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: SW 5 0-18" (H252037-02)

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	04/08/2025	ND	2.08	104	2.00	1.76	
Toluene*	<0.050	0.050	04/08/2025	ND	2.11	105	2.00	0.821	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.07	103	2.00	1.17	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.14	102	6.00	1.47	
Total BTEX	<0.300	0.300	04/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/08/2025	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	04/07/2025	ND	217	109	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/07/2025	ND	205	102	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					
Surrogate: 1-Chlorooctane	83.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.8	% 40.6-15	3						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/07/2025	Sampling Date:	04/04/2025
Reported:	04/10/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 18 24" (H252037-03)

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	04/08/2025	ND	2.08	104	2.00	1.76	
Toluene*	<0.050	0.050	04/08/2025	ND	2.11	105	2.00	0.821	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.07	103	2.00	1.17	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.14	102	6.00	1.47	
Total BTEX	<0.300	0.300	04/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/08/2025	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	04/07/2025	ND	217	109	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/07/2025	ND	205	102	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					
Surrogate: 1-Chlorooctane	84.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	77.1	% 40.6-15	3						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/07/2025	Sampling Date:	04/04/2025
Reported:	04/10/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 51 6" (H252037-04)

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	04/08/2025	ND	2.08	104	2.00	1.76	
Toluene*	<0.050	0.050	04/08/2025	ND	2.11	105	2.00	0.821	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.07	103	2.00	1.17	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.14	102	6.00	1.47	
Total BTEX	<0.300	0.300	04/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/08/2025	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	04/08/2025	ND	217	109	200	1.39	
DRO >C10-C28*	11.9	10.0	04/08/2025	ND	205	102	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					
Surrogate: 1-Chlorooctane	87.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.3	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/07/2025	Sampling Date:	04/04/2025
Reported:	04/10/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 65 24" (H252037-05)

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	04/08/2025	ND	2.08	104	2.00	1.76	
Toluene*	<0.050	0.050	04/08/2025	ND	2.11	105	2.00	0.821	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.07	103	2.00	1.17	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.14	102	6.00	1.47	
Total BTEX	<0.300	0.300	04/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/08/2025	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	04/08/2025	ND	217	109	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	205	102	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					
Surrogate: 1-Chlorooctane	97.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	89.4	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/07/2025	Sampling Date:	04/04/2025
Reported:	04/10/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 66 24" (H252037-06)

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	04/08/2025	ND	2.08	104	2.00	1.76	
Toluene*	<0.050	0.050	04/08/2025	ND	2.11	105	2.00	0.821	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.07	103	2.00	1.17	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.14	102	6.00	1.47	
Total BTEX	<0.300	0.300	04/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/08/2025	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	04/08/2025	ND	217	109	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	205	102	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					
Surrogate: 1-Chlorooctane	82.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.7	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/07/2025	Sampling Date:	04/04/2025
Reported:	04/10/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS 87 10' (H252037-07)

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	04/08/2025	ND	2.08	104	2.00	1.76	
Toluene*	<0.050	0.050	04/08/2025	ND	2.11	105	2.00	0.821	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.07	103	2.00	1.17	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.14	102	6.00	1.47	
Total BTEX	<0.300	0.300	04/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/08/2025	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	04/08/2025	ND	217	109	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	205	102	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					
Surrogate: 1-Chlorooctane	93.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	85.9	% 40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

## **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

company Name: Ensolum, LLC									
		BILL IO				AIN	ANALTOIS	REQUEST	
Project Manager: Kelly Lowery	P.O. #:								
ese: 601 N. Marienfeld St. STE 400	Company	Company: OXY USA, Inc.				_		_	
City: Midland State: TX Zip: 79701	Attn: Wade Dittrich	e Dittrich					_		
-733-3165	Address:								
Project #: 03B1417142 Project Owner	City:								
Project Name: Maris Federal #001	State:	Zip:					_	_	
Project Location: 32.061967, -103.991238	Phone #:						_	_	_
Sampler Name: Kaoru Shimada, Nichalas Oktivitations	Email:					_	_		
OR LAB USE DRUY MATRIX	RIX PRESERV.	RV. SAMPLING	LING				_		
DOMP. S ER	-				М	500			
Lab I.D. Sample I.D. Sample Depth Container CUNDWAT	JDGE HER : D/BASE: / COOL	HER		TEX 802	PH 8015	loride 45			
(G)F + # C(G)F - # C	OTH		INIE	1	TF	< Ch		+	
11.5' C 1	X	4/4/25	1021	×	×	X			
Z SW5 0-18" C 1 X	X	4/4/25	1157		×	X			
3 FS18 24" C 1 X	X	4/4/25	1408		X	X			
	X	4/4/25	1431		X	X			
	X	4/4/25	1406+	X	X	X			
24"	X	4/4/25	1405	X	X	X			
7 FS87 10' C 1 X	X	4/4/25	1142	X	X	X			
			11		+		1	ţ	4
		1	5	1	7	A	1	1	1
REASE NOTE: Liable and Damages. Cardina's bables and den't auchaine mends to Mr, care assing waters' tande is contract to card, the association of the special contract to the association of the special contract to the special contract to and the contract to and the special contract to any difference of the special contract	t to the annual peed by the client al within 30 days after completion	ty the amplicable service.			-				
Date: 7.	ived By:	sons or dhenese	Verbal Result: Ves All Results are emailed.	e emaile	P	X No Add'l Pho ease provide Email address:	Add'l Phone #: mail address:	hone #: s:	
NOON ON Have 2000 MANAN	agra	2	klowery@ensolam.com	olum.co	m		1		
Relinquished By: Date: Received By:	0	9	REMARKS: Paykey/AFE/NonAFE:	aykeyl	TENOT	IAFE:	-	9	
Time:				51	Va	ay (	X	1	
Delivered By: (Circle One)     Observed Temp. *C     Sample Condition       Sampler - UPS - Bus - Other:     Corrected Temp. *C     Cool Intact       Q     Q     Image: Condition		(Initials)	Turnaround Tree Standa Raub Cool Inter Thermometer ID #115 Correction Factor -U.S.C	Standard Cool Intact		Bacteria (only) Sat	Sample Conditi	] 00	

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10



May 15, 2025

KELLY LOWERY ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MARIS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 05/13/25 13:40.

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

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: FS - 05 144" (H252840-01)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/14/2025	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	05/14/2025	ND	2.19	109	2.00	0.761	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.15	108	2.00	0.473	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.38	106	6.00	0.268	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	80.0	16.0	05/14/2025	ND	416	104	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	96.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.7	% 40.6-15	· •						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



03B1417142

OXY 32.061967,-103.991238

Sample Received By:

05/12/2025

Cool & Intact

Alyssa Parras

Soil

## Analytical Results For:

	ENSOLUM, LLC	
	KELLY LOWERY	
	705 W WADLEY AVE.	
	MIDLAND TX, 79705	
	Fax To:	
05/13/2025		Sampling Date:
05/15/2025		Sampling Type:
MARIS FEDERAL #1		Sampling Condition:

## Sample ID: SW - 06 0-36" (H252840-02)

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/14/2025	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	05/14/2025	ND	2.19	109	2.00	0.761	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.15	108	2.00	0.473	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.38	106	6.00	0.268	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	05/14/2025	ND	416	104	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	94.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	90.0	% 40.6-15	3						

#### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC		
	KELLY LOWERY		
	705 W WADLEY AVE.		
	MIDLAND TX, 79705		
	Fax To:		
05/13/2025		Sampling Date:	
0-11-1000-		· · ·	

Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: SW - 07 0-12" (H252840-03)

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	05/14/2025	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	05/14/2025	ND	2.19	109	2.00	0.761	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.15	108	2.00	0.473	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.38	106	6.00	0.268	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	240	16.0	05/14/2025	ND	416	104	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.3	% 40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

### Sample ID: SW - 08 0-24" (H252840-04)

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	05/14/2025	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	05/14/2025	ND	2.19	109	2.00	0.761	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.15	108	2.00	0.473	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.38	106	6.00	0.268	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	<16.0	16.0	05/14/2025	ND	416	104	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	92.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	88.4	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

### Sample ID: SW - 09 0-30" (H252840-05)

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	05/14/2025	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	05/14/2025	ND	2.19	109	2.00	0.761	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.15	108	2.00	0.473	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.38	106	6.00	0.268	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	90.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	85.4	40.6-15	3						

#### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: SW - 10 0-84" (H252840-06)

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	05/14/2025	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	05/14/2025	ND	2.19	109	2.00	0.761	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.15	108	2.00	0.473	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.38	106	6.00	0.268	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	93.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.9	% 40.6-15	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

### Sample ID: SW - 11 0-84" (H252840-07)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	88.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	84.7	% 40.6-15	3						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

### Sample ID: SW - 12 0-84" (H252840-08)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	91.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.2	% 40.6-15	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

### Sample ID: SW - 13 0-48" (H252840-09)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	10.2	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.7	40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: SW - 14 0-120" (H252840-10)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.5	% 40.6-15	3						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: SW - 15 0-120" (H252840-11)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	91.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.9	% 40.6-15	3						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC		
		KELLY LOWERY		
		705 W WADLEY AVE.		
		MIDLAND TX, 79705		
		Fax To:		
Received:	05/13/2025		Sampling Date:	05/12/2025
Reported:	05/15/2025		Sampling Type:	Soil
Project Name:	MARIS FEDERAL #	1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras

OXY 32.061967,-103.991238

### Sample ID: SW - 16 0-120" (H252840-12)

Project Location:

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	94.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	90.3	% 40.6-15	3						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: SW - 17 0-144" (H252840-13)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	92.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	88.9	% 40.6-15	3						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AV MIDLAND TX, 7970 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

## Sample ID: SW - 18 0-144" (H252840-14)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	87.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	83.0	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AV MIDLAND TX, 7970 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

### Sample ID: SW - 19 0-144" (H252840-15)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	91.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	88.1	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AV MIDLAND TX, 7970 Fax To:		
Received:	05/13/2025	Sampling Date:	05/12/2025
Reported:	05/15/2025	Sampling Type:	Soil
Project Name:	MARIS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417142	Sample Received By:	Alyssa Parras
Project Location:	OXY 32.061967,-103.991238		

### Sample ID: SW - 20 0-144" (H252840-16)

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	05/14/2025	ND	2.09	104	2.00	2.18	
Toluene*	<0.050	0.050	05/14/2025	ND	2.08	104	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.39	107	6.00	5.14	
Total BTEX	<0.300	0.300	05/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/14/2025	ND	432	108	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	05/14/2025	ND	220	110	200	3.03	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	204	102	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	91.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.3	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


## **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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PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Sampier - UPS - Bus - Omer	Delivered By: (Circle One)		Relinquished By:	124 M	Relinquished By:	In no event shall Cardinal be lable for insidential or co affinities or succession aniano out of or million to the p	PLEASE NOTE: Liability and Dam	1	2	~	JK	2		4	لان	e	1	Lab I.D.	FOR LAB USE ONLY	Sampler Name: Kaoru Shimada	Project Location:	Project Name: Maris Federal #001	Project #: 03B1417142	Phone #: 214-733-3165	City: Midland	Address: 601 N.	Project Manager: Kelly Lowery	Company Name: Ensolum, LLC		
				Alash	N-R	mequental dama automance of se	ages. Cardina's liability and client's exclusion	SW-14	SW-13	SW-12	SW-11	SW-10	SW-09	SW-08	SW-07	SW-06	FS-05	Sample I.D.		oru Shimada	Project Location: 32.061967, -103.991238	ris Federal #001	7142	-3165	State: TX Z	601 N. Marienfeld St. STE 400	Kelly Lowery	Ensolum, LLC		
	Observed Temp. °C	Time:	Date:	CID EL C	Date: 12 or	a. including without initiation, business interruptions, loss of use, or loss of profits incurred by client as including without limitation, business interruptions, loss of use, or loss of profits incurred by client profits and the statement of the statement of whether such claim is based upon any of the above state profits and the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement	ive menually for any claim arising whether	0-120	0-48	0-84	0-84	0-84	0-30	0-24	0-12	0-36	144	Sample Depth (in)					Project Owner	Email: klowery@ensolum.com	Zip: 79701					
1.9%	-10%	-	Rec	-	Rec	ness intern	e bead in	0	0	0	2	0	0	0	0	С	C	(G)RAB OR (C)OMP	2.				vner	wery						
(			Received By:	2	Received By:	ease interruptions, loss of use, or loss of portisk incurred by client, its subsis- less of whether such claim is based uson any of the store stated resistors	contract											# CONTAINERS	_					@ens						
	Sa		d By:	8	By:	loss d'u	or fart, she	-	-	-	4	4	-	_	_			GROUNDWATER						olum						
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	ion			D		incurred of the ab	and house	+	+	+	+	+	+	-	-	-	_	OTHER :		m	P	S	0	A	A	0	0	-		
						8 3 1	d by the o											ACID/BASE:	PRE	Email:	Phone #:	State:	City:	Address:	tn: D	ompa	P.O. #:			
1	CHEC			10			to subsid	client for the analy relation of the work	X	×	×	×	×	X	X	X	X	X	OTHER:	PRESERV.		井			S	aniel	ny: O		B	
(Initials)									analyses. In anolicable service	5/12/25	5/12/25	5/12/25	5/12/25	5/12/25	5/12/25	5/12/25	5/12/25	5/12/25	5/12/25	DATE	SAME			Zip:			Attn: Daniel Sparks	Company: OXY USA, Inc.		BILL TO
Rush Cool Hard Obs Thermometer ID #437 H 1470 Connection Factor 40-3	Turnaround Time	3-1	REMARKS: Paykey/AFE/	All Results are emailed. Please provide Email add klowery@ensolum.com, Daniel_Sparks@oxy.com	Verbal Result: Ves X No Add'l Pho			1115	1023	956	958	1000	1045	1046	1052	1048	845	TIME	SAMPLING											
ID #1	St	ay	Payke	nsolum	ilt:			×	×	×	×	×	×	X	X	X	×	BTEX 8021 B		-	-	-	_	-			-			
()	andard	TAT	y/AFE/Nor	ailed. Plea	Yes X			×	×	×	×	×	×	X	X	X	X	TPH 8015 M												
Observed Temp. "C	Bacteria (	1	NonAFE:	iel_Sparks	No			×	×	×	×	×	×	X	X	X	X	Chloride 4500				_	_	_		_		A		
	Bacteria (only) Sample Condition			@oxy.con	Add			+	-	-	-	_	_	_		_	-			_						_	_	ANALYSIS REQUEST		
Ves Ves	ondition			n aress:	Add'l Phone #:		ł	+	-	1			1	1								_				_		S REQ		
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Corrected Temp. *C								-	-		-	-	-	-			-		-	-	-		-			-		-		
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 20

Page 326 of 343

Project Manager: Kelly Lowery Address: 601 N. Marienfeld St. 1 City: Midland Stat	STE 400	) Zip: 79701				P.O. #: Compa	P.O. #: Company: OXY US; Attn: Daniel Sparks	BILL TO P.O. #: Company: OXY USA, Inc. Attn: Daniel Sparks	C,				A	ANALYSIS REQUEST
Phone #: 214-733-3165	5		owery@e	ensolum	.com	Add	Address:	opains		1	_			_
Project #: 03B1417142	12	Project Owner	wner			City:				1	-		_	_
Project Name: Maris Federal #001	Federal #001					State:	e:	Zip:		1	_			
Project Location: 32.061967, -103.991238	061967, -103.991238					Pho	Phone #:			1	_		_	_
Sampler Name: Kaoru Shimada	u Shimada					Email:	ail:			-			_	
This has not used				Π	MATRIX	P	PRESERV.		SAMPLING	1	-			
			MP.	-	_	_		+	- LING	-	-			
Lab I.D.	Sample I.D.	Sample Depth (in)	OR (C)OM	IDWATER WATER			OL (			8021 B		015 M	le 4500	
APS284					SOIL	OTHER ACID/B	CE / C	DATE	TIME	BTEX	PH 8		hlori	Chlori
// SW-15	7-15	0-120	-			0	×	5/12/25	1116	< E	1		< 0	< 0
12 SW-16	/-16	0-120	C		X	-	×	5/12/25	1117	×	~	T	X	××
() SW-17	-17	0-144	С		X	-	×	5/12/25	902	× ;		1	X	X
14 SW-18	-18	0-144	С		X	_	×	5/12/25	903	×	×	1	+	-
15 SW-19	61-1	0-144	С		X		×	5/12/25	658	×	×		×;	×;
10 SW-20	-20	0-144	C		X		X	5/12/25	106	×	×		X	X
	7	1	-	5	-	-		5	5					
				1		+			11				5	
PLEASE NOTE: Lindility and Damasum Co	Num Cardinal's loading and shares a start		1	0		4	6	1	10	Ţ,	Ø	Y	C	N
0.0.2	re and any other cause whatsoever noidental or consequential damages related to the performance of service	Inversory or any sense yearing interface tasked to consisted or text, shall be intered to the amount paids by the danel to be a set shall be downed a single tableau made in writing and resolved by Canstinal within 30 days after competion days including without initiation, business interruptions, tisse of users of politis recurred by Greet's a subsidiate to the second by Canstinal, regardings of whether such claims is based upon any of the above stated reasons or ob- tions.	r based in contax ade in writing ar ess interruption mus of whether r	based in contract or tort, shall be 8 die in writing and received by Ca es interruptions, toss of use, or i as of whether such claim is base	e limited to the a Cardinal within or loss of profits assed upon any .	Insted to the amount paid by the d instead within 30 days after comp loss of profits incumed by client, ed uppn any of the above stated	It paid by the client for the and systafter completion of the ap arred by client, its subsidiaries above stated reasons or oth	-sub the initiate to the amount paid by the completion of the applicable service ved by Cardinal within 30 days after completion of the applicable service of use, or loss of proble incurrent by elemit, its subsidiaries, and a based upon any of the above stated means or otherwise.			1			-
Reda	8/28	Tignes 1335	Received By:	ad By:	2	P			Verbal Rest All Results klowery@e	it:  Internall Isolum.c	9 8 X	Pleas	s X No Please provid 1, Daniel Spark	Verbal Result:  Ves X No Add'l Phone #: All Results are emailed. Please provide Email address: klowery@ensolum.com, Daniel Sparks@oxy.com
- for manual to		Time:	Received By:	d By:		-			REMARKS: Paykey/AFE/NonAFE:	Paykeyl	2	TA	TAT	TAT
Sampler - UPS - Bus - Other		Observed Temp. °C  - U Corrected Temp. °C  - U	1.9-	Cool Samp	Sample Condition Cool Intact Ves Vis	9	CHECK (Init	CHECKED BY: (Initials)	Turnaround Time: Stafhdard	Cool Intact	the and		3 Chenn	Bacterie (only) Sampi Observed Tamp. *C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 20



October 03, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ONSUAREZ PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/30/24 13:45.

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

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

		ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	09/30/2024		Sampling Date:	09/30/2024
Reported:	10/03/2024		Sampling Type:	Soil
Project Name:	ONSUAREZ PIT		Sampling Condition:	Cool & Intact
Project Number:	03B1417142		Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY	Y, NM		

## Sample ID: ONSUAREZ PIT 0.25 (H245924-01)

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	10/01/2024	ND	2.18	109	2.00	3.01	
Toluene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.20	110	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.58	110	6.00	3.79	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	80.0	16.0	10/01/2024	ND	432	108	400	7.14	
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	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.2	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless of use, or loss of profits incurred by client, its subsidiaries, afflictes or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **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. Keine

Celey D. Keene, Lab Director/Quality Manager

Company Name: Ensolum, LLC Project Manager:	INY LOWPY	KEILY LOWERY		73 1477	17	
Address: 601 N Marienfeld Street, Suite 400	ifeld Street, Su	ite 400 State: TX	Zip: 79701	Mar 1 2 Mar M		
ケーノ	5912-265	Fax #:		Address:		
Project #: 038/4		Project Owner:	97.	City:		
Project Name: OWS	Vavez 1	715		State: Zip:		
on:	Edion (our	ELEVERY NM		Phone #	00	
	MINE NOUL	r Dyker		1		
FOR LAB USE ONLY				PRESERV. SAM		
Lab I.D. Sa	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :		
Sho Charles	Oursuarez Pit	0,25		X	XX X	
PLEASE NOTE: Liability and Damages. Cardinal's liability and c analyses. All claims including those for toglopence and any other services in on every shall Cardinal be liable toricidential or com	les. Cardinal's lability and (or negligence and any of use for incidential or co-	ally one cleans whatsoever shall be deemed any other cause whatsoever shall be deemed for any claim the cause whatsoever shall be deemed to be any claim to be any	arising whether based in waived unless made in v limitation, business inter	t or tord, shall be limited to the amount part of tord, shall be limited to the amount part of the order of pools incurred by Loss of use, or loss of pools incurred by	and paid by the client for the applicable start subschedulers, to	
Relinquished By: Relinquished By: Relinquished By:	aing out of or related to the performs 34: MMU BY:	Time: Date: Date: Date: Date:	Received By:	is based upon any or the second	Verbal Result: ロYes ロNo Add'I Phone #: All Results are emailed. Please provide Email address: 人人のWey ののからしいりん (80%) REMARKS:	Add'l Phone #: ide Email address: ନ୍ୟୁନ୍ୟ
B-line But (Cirolo Ono)						Bootonia (only) Sample Condition

Page 4 of 4

From:	Kelly Lowery
To:	Wells, Shelly, EMNRD
Subject:	Re: [EXTERNAL] Re: NAPP2402241037 MARIS FEDERAL #001
Date:	Thursday, June 26, 2025 12:02:50 PM
Attachments:	image001.png
	image002.png
	image003.png
	image004.png
	Outlook-zsk0gnrt.png
	Outlook-vb3q3zpp.png
	Outlook-xy5pou1e.png
	Outlook-Irshxp11.png

## Hi Shelly,

Yes ma'am they were. Samples FS-86, FS-88, FS-89, FS-93 through FS-96.

Thank you,



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

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, June 26, 2025 12:52 PM
To: Kelly Lowery <klowery@ensolum.com>
Subject: RE: [EXTERNAL] Re: NAPP2402241037 MARIS FEDERAL #001

## **\*\*EXTERNAL EMAIL\*\***

Hi Kelly,

I have one more question for you...were composite confirmation floor samples collected from the surface around the wellhead? If so, which samples correlate to these areas?

I look forward to hearing your response,

Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520 <u>Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/ From: Kelly Lowery <klowery@ensolum.com>
Sent: Thursday, June 26, 2025 9:29 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Re: NAPP2402241037 MARIS FEDERAL #001

Good morning, will do.

Thanks again,



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

From: Wells, Shelly, EMNRD <<u>Shelly.Wells@emnrd.nm.gov</u>>
Sent: Thursday, June 26, 2025 10:20 AM
To: Kelly Lowery <<u>klowery@ensolum.com</u>>
Subject: RE: [EXTERNAL] Re: NAPP2402241037 MARIS FEDERAL #001

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

Good morning Kelly,

Thank you for getting back to me. In the future, have photographs of all sections of the excavations. I will let you know if I have any further questions regarding this release.

Kind regards,

Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520 <u>Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/ From: Kelly Lowery <klowery@ensolum.com>
Sent: Thursday, June 26, 2025 8:09 AM
To: Wells, Shelly, EMNRD <<u>Shelly.Wells@emnrd.nm.gov</u>>
Subject: [EXTERNAL] Re: NAPP2402241037 MARIS FEDERAL #001

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

Hi Shelly, so for the sidewalls around the well head, those would be SW-12 through SW-16 and SW-20. For the photo for the area of FS-27 through FS-30 I dug around in our field folders and it looks like the only photo that was collected on 3/20/25 in this area when those samples were collected was on the spotting locations for the Pioneer ROW to the north of FS-30 and not of the excavation itself. I even looked through photos collected 4/4/25 and 5/12/25 and unfortunately it looks like our field staff did not collect any.

Please let me know if there is anything else.

Thank you,



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

From: Wells, Shelly, EMNRD <<u>Shelly.Wells@emnrd.nm.gov</u>>
Sent: Wednesday, June 25, 2025 2:14 PM
To: Kelly Lowery <<u>klowery@ensolum.com</u>>
Subject: NAPP2402241037 MARIS FEDERAL #001

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

Hi Kelly,

I am reviewing the remediation closure report submitted for the following release NAPP2402241037 MARIS FEDERAL #001 and have a few questions for you. Because the photos don't tell me what areas of the excavation I am looking at, can you supply me with a photo of the over excavation that occurred at FS27-30? Also, there is a buffer around the wellhead even though this is not shown on the Figure 3. Were sidewall samples collected around the sides of the wellhead? If so, what sidewall samples correspond to these? I look forward to hearing your answers when you have the time.

Sincerely

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

General Information Phone: (505) 629-6116

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

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

Page 336 of 343

QUESTIONS

Action 477263

QUESTIO	NS
Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	477263
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

nAPP2402241037
NAPP2402241037 MARIS FEDERAL #001 @ 30-015-27011
Oil Release
Remediation Closure Report Received
[30-015-27011] MARIS FEDERAL #001

#### Location of Release Source

Please	answer	all the	questions	in this	group.	

Site Name	MARIS FEDERAL #001
Date Release Discovered	01/21/2024
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	Νο
Has this release endangered or does it have a reasonable probability of endangering public health	Νο
Has this release substantially damaged or will it substantially damage property or the environment	Νο
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

## Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other   Producing Well   Crude Oil   Released: 10 BBL   Recovered: 6 BBL   Lost: 4 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	produced oil release from the stuffing box.

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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 2

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Action 477263

QUESTIONS (continued)	
Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	477263
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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 s	afety 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
	Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of
Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure e	
I hereby certify that the information given above is true and complete to the best of my k	knowledge and understand that pursuant to OCD rules and regulations all operators are required
the OCD does not relieve the operator of liability should their operations have failed to a	ases 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
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/25/2024

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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** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	477263
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (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	Νο
What is the minimum distance, between the closest lateral extents of the release an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 100 and 200 (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	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated 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, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1720
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	11306
GRO+DRO (EPA SW-846 Method 8015M)	9486
BTEX (EPA SW-846 Method 8021B or 8260B)	20.8
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 effor which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	01/21/2024
On what date will (or did) the final sampling or liner inspection occur	05/12/2025
On what date will (or was) the remediation complete(d)	05/12/2025
What is the estimated surface area (in square feet) that will be reclaimed	21687
What is the estimated volume (in cubic yards) that will be reclaimed	1134
What is the estimated surface area (in square feet) that will be remediated	21687
What is the estimated volume (in cubic yards) that will be remediated	1134
These estimated dates and measurements are recognized to be the best guess or calculation at the tim	ne 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.

Page 338 of 343

QUESTIONS, Page 3

Action 477263

OR is the off-site disposal site, to be used, an NMED facility

(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)

Ground Water Abatement pursuant to 19.15.30 NMAC

(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)

(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)

(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)

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(In Situ) Soil Vapor Extraction

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

Page 339 of 34.	3
QUESTIONS, Page 4	

Action 477263

QUESTIONS (continued)		
Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 477263	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided t	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 remed	diate / 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.	

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: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com
	Date: 06/20/2025

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.

General Information Phone: (505) 629-6116

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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

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Action 477263

QUESTIONS (continued)		
Operator:	OGRID:	
OXY USA INC	16696	
P.O. Box 4294	Action Number:	
Houston, TX 772104294	477263	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

## QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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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 6

Action 477263

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QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	477263
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	460027
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2025
What was the (estimated) number of samples that were to be gathered	16
What was the sampling surface area in square feet	3200

## **Remediation Closure Request**

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	21687
What was the total volume (cubic yards) remediated	1134
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	21687
What was the total volume (in cubic yards) reclaimed	1134
Summarize any additional remediation activities not included by answers (above)	N/A
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
o report and/or file certain release notifications and perform corrective actions for releas he OCD does not relieve the operator of liability should their operations have failed to vater, human health or the environment. In addition, OCD acceptance of a C-141 repor	knowledge and understand that pursuant to OCD rules and regulations all operators are required ises 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 ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Daniel Sparks
	Title: Environmental Analyst III
Thereby agree and sign on to the above statement	Email: daniel_sparks@oxy.com
	Date: 06/20/2025

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

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Action 477263

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QUESTIONS (continued)	
Operator: OXY USA INC	OGRID: 16696
P.O. Box 4294 Houston, TX 772104294	Action Number: 477263
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS Reclamation Report

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

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Action 477263

 CONDITIONS

 Operator:
 OGRID:

 OXY USA INC
 16696

 P.O. Box 4294
 Action Number:

 Houston, TX 772104294
 477263

 Action Type:
 [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

## CONDITIONS

Created By		Condition Date
scwells	None	6/26/2025