

REVISED CLOSURE REPORT

Property:

Federal 10 #1

Eddy County, New Mexico 32.321852 N, 104.080415 W NMOCD Incident ID: nMAP1822260952 API No.: 30-015-26649

November 9, 2023 Ensolum Project No. 03B1417056

Prepared for:

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

Prepared by:

0 Beaux Jennings

Senior Project Manager

hans

Heather Holthaus Senior Project Manager

Ensolum, LLC | Environmental & Hydrogeologic Consultants 601 N. Marienfeld Street, Suite 400, Midland, Texas 79701 | Office: 972-364-7682

.



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Ensolum Project No. 03B1417056

1.0 INTRODUCTION

1.1 Executive Summary

- On August 8, 2018, a release of produced water was reported from a 3" poly water line due to a failure in the line at the Federal 10 #1, hereinafter referred to as the "Site". Approximately 200 barrels (bbls) of produced water were released onto the ground surface and impacted an area approximately 900 feet long by 30 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site.
- Excavation activities were conducted based on visual and laboratory evidence of impairment. Between October 20, 2022 and June 20, 2023, Ensolum arrived on-Site and collected a total of 100 composite soil samples from 45 locations on the excavation floor (FS-1 through FS-45), and 39 composite soil samples from 10 locations on the excavation sidewalls (SW-1 through SW-10). The composite floor samples were collected from depths ranging from 0-0.25 to 12 feet below ground surface (bgs), and the composite sidewall samples were collected from depths ranging from one to 0-8 feet bgs. In addition, Ensolum collected four background soil samples from locations outside the release area (BG-1 through BG-4) at a depth of 0-0.25 feet bgs.
- Based on the laboratory analytical results of the final soil samples, no additional excavation was required.
- The primary objective of the closure activities was to reduce chemical of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) Closure Criteria for Soils Impacted by a Release using the New Mexico Administrative Code (NMAC) 19.15.29 *Releases* as guidance.
- The final impacted area measured approximately 1,100 feet long by 18 to 90 feet wide, and the final excavation area measured approximately 300 feet long by 30 to 90 feet wide with a depth of 12 feet bgs at the maximum extent.
- On September 12, 2023, a Closure Report was submitted to the New Mexico EMNRD OCD for approval.
- On September 26, 2023, the New Mexico EMNRD OCD rejected the Closure Report. Steps were subsequently taken by Oxy to address the requirements needed for closure.
- Based on the request from the New Mexico EMNRD OCD, composite soil samples FS-4, FS-5, FS-6, FS-8, FS-9, FS-10, FS-17, SW-5 through SW-10 were collected on October 11, 2023.



- Based on the laboratory analytical results, the final composite soil samples collected from the excavation did not exhibit benzene, total benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil range organics (MRO) or chloride concentrations above the applicable NMOCD Closure Criteria.
- The final impacted area measured approximately 1,100 feet long by 18 to 90 feet wide, and the final excavation area measured approximately 300 feet long by 30 to 90 feet wide with a depth of 16 feet bgs at the maximum extent.
- Subsequent to the results of the confirmation soil sampling, the excavated soils were removed and taken off-Site for proper disposal and the excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade. Once the area was brought back to original grade, a Bureau of Land Management (BLM) approved seed mixture was sown into the surface area of the backfill for re-vegetation.

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

1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Federal 10 #1
Location:	32.321852 N, 104.080415 W Eddy County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2**, the Site Map indicating the locations of composite soil samples is included as **Figure 3**, and the Closure Criteria Map is included as **Figure 4** in **Appendix A**.

1.3 Project Objective

The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

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

 The southern portion of the Site is located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other significant watercourse (a drainage ditch). This area includes soil sample locations FS-40 through FS-45. The remaining portion of the Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other significant watercourse.



- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the Bureau of Land Management (BLM), the Site is not located within an unstable area.
- The Site is noted to be located within an area of minimal flood hazard.
- A search of the OSE WRSS database was conducted for water wells within 0.5-mile radius of the Site in order to determine the depth to groundwater in the vicinity of the Site. C-04254 was identified approximately 2,000 feet northwest of the Site, with a recorded depth to groundwater of 77 feet bgs (C-04254-POD2).

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

	Closure Criteria fe	or Soils Impacted by a Rel	ease
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
2001001	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg



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3.0 SOIL REMEDIATION ACTIVITIES

On August 8, 2018, a release of produced water was reported from a 3" poly water line due to a failure in the line at the Site. Approximately 200 bbls of produced water were release onto the ground surface and impacted an area approximately 900 feet long by 30 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site.

Excavation activities were conducted based on visual and laboratory evidence of impairment. Between October 20, 2022 and June 20, 2023, Ensolum arrived on-Site and collected a total of 100 composite soil samples from 45 locations on the excavation floor (FS-1 through FS-45), and 39 composite soil samples from 10 locations on the excavation sidewalls (SW-1 through SW-10). The composite floor samples were collected from depths ranging from 0-0.25 to 12 feet bgs, and the composite sidewall samples were collected from depths ranging from one to 0-8 feet bgs. In addition, Ensolum collected four background soil samples from locations outside the release area (BG-1 through BG-4) at a depth of 0-0.25 feet bgs.

Based on the request from the New Mexico EMNRD OCD, additional excavation was conducted and composite soil samples FS-4, FS-5, FS-6, FS-8, FS-9, FS-10, FS-17, SW-5 through SW-10 were collected on October 11, 2023.

The composite soil samples were analyzed for BTEX, TPH and chloride in accordance with NMOCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final impacted area measured approximately 1,100 feet long by 18 to 90 feet wide, and the final excavation area measured approximately 300 feet long by 30 to 90 feet wide with a depth of 16 feet bgs at the maximum extent.

The lithology encountered during the completion of sampling activities consisted primarily of a cemented tan and grey sand overlying a pink and yellow silty sand.

Figure 3 identifies approximate excavation soil sample locations and approximate dimensions of the impacted area with respect to the Site (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's composite soil sampling program included the collection of 107 composite soil samples from 45 locations on the excavation floor (FS-1 through FS-45), and 45 composite soil samples from 10 locations on the excavation sidewalls (SW-1 through SW-10). The composite floor samples were collected from depths ranging from 0-0.25 to 16 feet bgs, and the composite sidewall samples were collected from depths ranging from one to 0-10 feet bgs. In addition, Ensolum collected four background soil samples from locations outside the release area (BG-1 through BG-4) at a depth of 0-0.25 feet bgs.

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 for standard laboratory analysis.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX utilizing Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO utilizing EPA SW-846 Method 8015M, and chloride utilizing EPA Method 4500-CI B.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.



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6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH GRO/DRO/MRO, and chloride concentrations associated with the composite soil samples collected from the excavation floor (FS-1 through FS-45), the excavation sidewalls (SW-1 through SW-10), and the background samples collected from locations outside the release area (BG-1 through BG-4) to the applicable NMOCD Closure Criteria.

- Laboratory analytical results indicate benzene concentrations for the composite soil samples are below the laboratory sample detection limits (SDLs), which are below the applicable NMOCD Closure Criteria of 10 mg/kg.
- Laboratory analytical results indicate that total BTEX concentrations for the composite soil samples below the laboratory SDLs, which are below the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the composite soil samples are below the laboratory SDLs, which area below the applicable NMOCD Closure Criteria of 100 mg/kg for groundwater ≤ 50 feet.
- Laboratory analytical results indicate chloride concentrations for the final composite soil samples are below the applicable NMOCD Closure Criteria of 600 mg/kg for groundwater ≤ 50 feet, with one exception. Composite soil sample FS-18, collected at 12 feet bgs, exhibited a chloride concentration of 640 mg/kg. However, the location of this soil sample is over 850 feet away from the identified drainage ditch and would fall under the NMOCD Closure Criteria for sites that have groundwater from 51-100 feet bgs; making the applicable NMOCD Closure Criteria for chloride in this area 10,000 mg/kg.

Laboratory analytical results are summarized in **Table 1** 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. The excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade. Once the area was brought back to original grade, a BLM approved seed mixture was sown into the surface area of the backfill for re-vegetation.

8.0 FINDINGS AND RECOMMENDATION

- On August 8, 2018, a release of produced water was reported from a 3" poly water line due to a failure in the line at the Site. Approximately 200 bbls of produced water were released onto the ground surface and impacted an area approximately 900 feet long by 30 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site.
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- Based on the laboratory analytical data of the final soil samples, no additional excavation was required. Subsequent to the results of the composite soil sampling, the excavated soils were removed and taken off-Site for proper disposal.



- On September 12, 2023, a Closure Report was submitted to the New Mexico EMNRD OCD for approval.
- On September 26, 2023, the New Mexico EMNRD OCD rejected the Closure Report. Steps were subsequently taken by Oxy to address the requirements needed for closure.
- Based on the request from the New Mexico EMNRD OCD, composite soil samples FS-4, FS-5, FS-6, FS-8, FS-9, FS-10, FS-17, SW-5 through SW-10 were collected on October 11, 2023.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the NMAC 19.15.29 *Releases* as guidance.
- The final impacted area measured approximately 1,100 feet long by 18 to 90 feet wide, and the final excavation area measured approximately 300 feet long by 30 to 90 feet wide with a depth of 16 feet bgs at the maximum extent.
- Based on the laboratory analytical results, the final composite soil samples collected from the excavation did not exhibit benzene, BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.
- Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were
 removed and taken off-Site for proper disposal. The excavated area was backfilled with clean fill
 material, and then contoured to the original surrounding grade. Once the area was brought back to
 original grade, a BLM approved seed mixture was sown into the surface area of the backfill for revegetation.

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 at 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.



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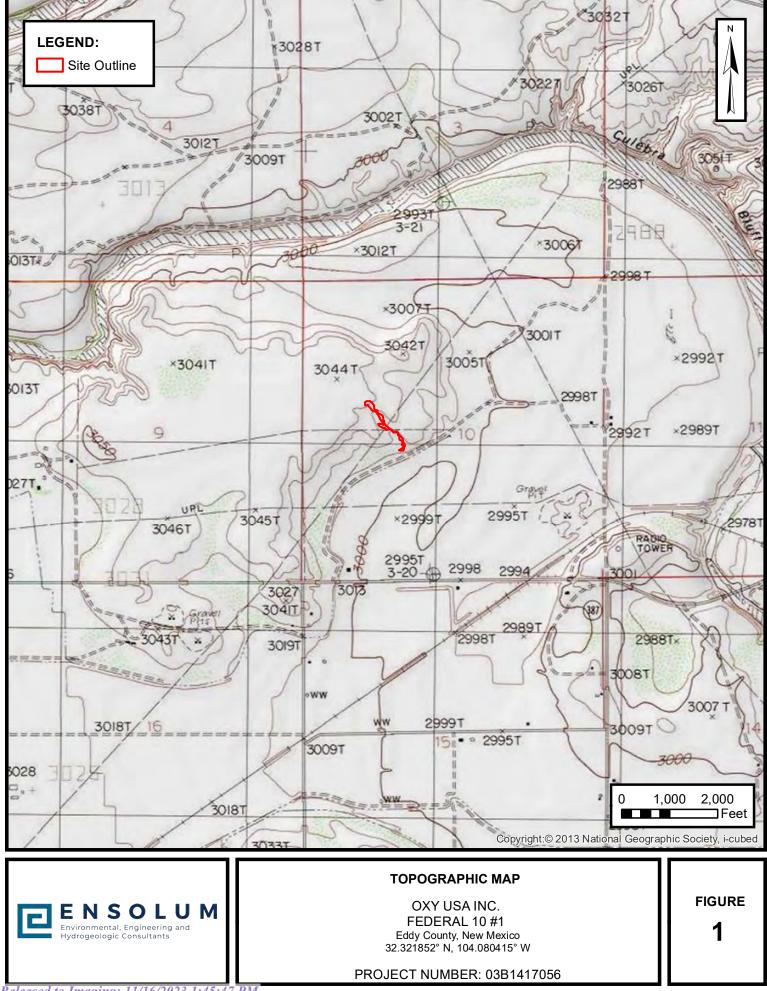
9.3 Reliance

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

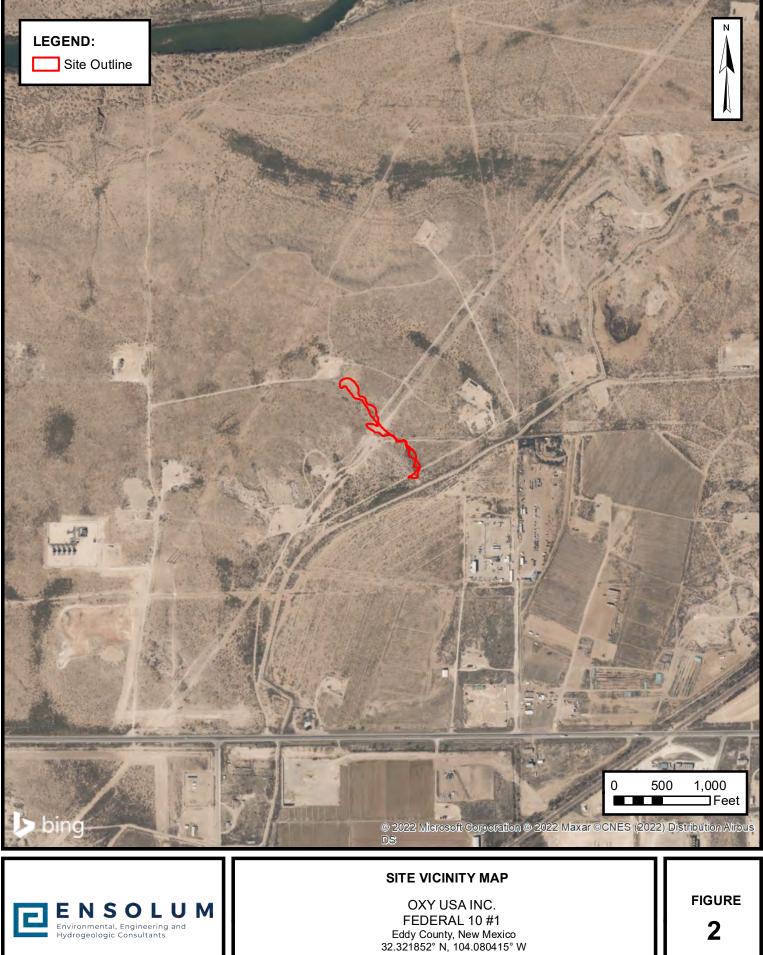


APPENDIX A

Figures



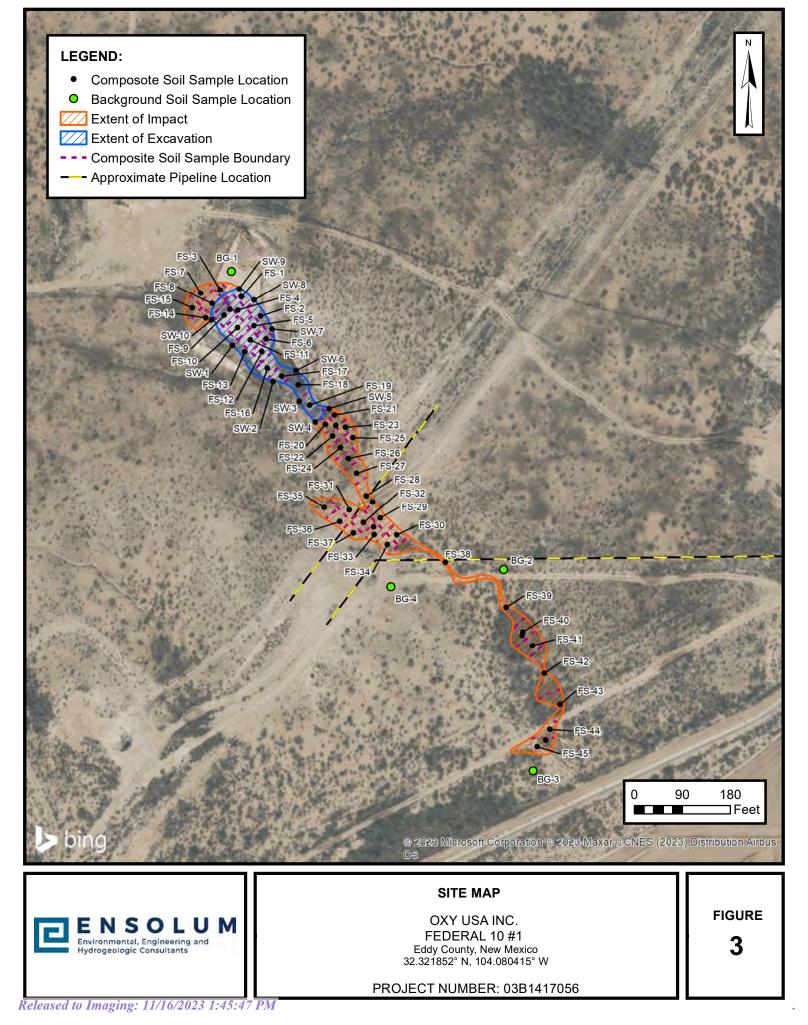
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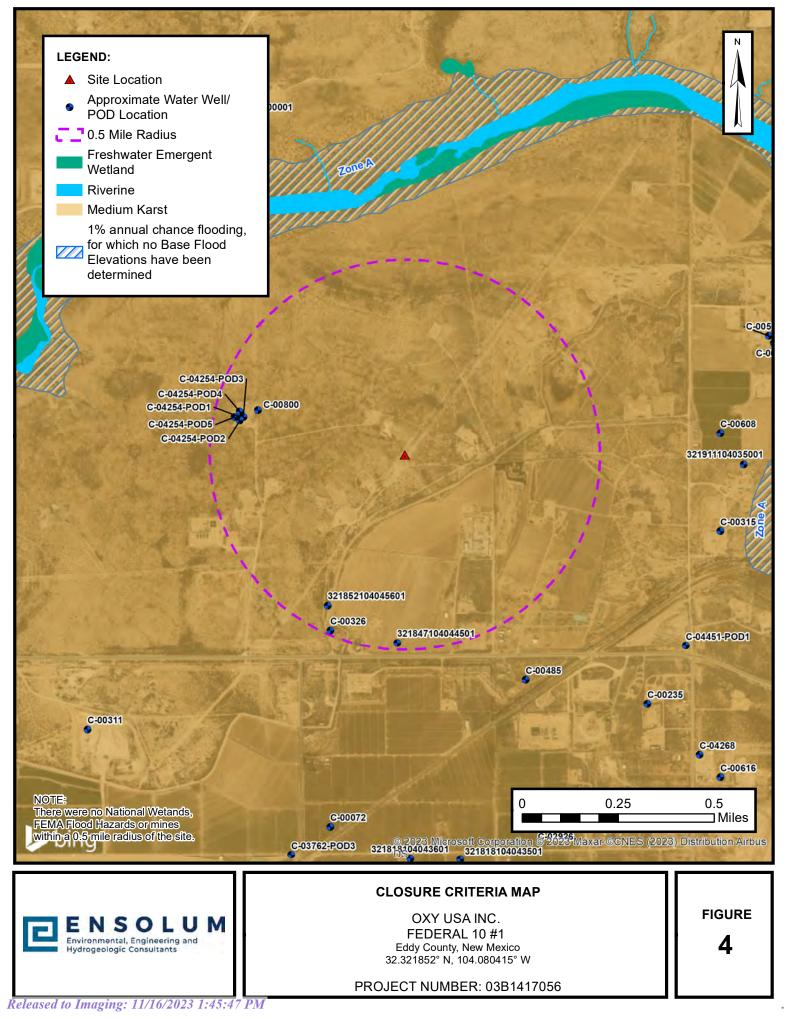


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PROJECT NUMBER: 03B1417056

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APPENDIX B

Supporting Documentation

State of New Mexico **Energy Minerals and Natural Resources**

OCD Rec'd:08/10/18

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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	Describe Are	a Affected	and Cleanup	Action Tal	ken.*								
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	a remediation	on plan ap	proved by th	e NMOC	D and the BLM	Γ. Τ					-		
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Receiv Attach Additional Sheets If Necessary A#:pMAP1822259859

Beaux Jennings

From:	Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov></ocd.enviro@emnrd.nm.gov>
Sent:	Tuesday, January 3, 2023 2:07 PM
То:	Beaux Jennings
Cc:	Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] Federal 10 #1 (Incident ID: nMAP1822260952)

[**EXTERNAL EMAIL**]

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov http:// www.emnrd.nm.gov



From: Beaux Jennings <bjennings@ensolum.com>
Sent: Tuesday, January 3, 2023 12:17 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Federal 10 #1 (Incident ID: nMAP1822260952)

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

Good afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Federal 10 #1 (Incident ID: nMAP1822260952) on Friday, January 6th at 1100 MST. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



Beaux Jennings Senior Project Manager 210-219-8858 Ensolum, LLC in f

PLEASE NOTE OUR NEW CORPORATE ADDRESS: Ensolum, LLC 8330 LBJ Freeway, Ste. 830 Dallas, TX 75243

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Beaux Jennings

From:	Dittrich, John W <wade_dittrich@oxy.com></wade_dittrich@oxy.com>
Sent:	Tuesday, September 26, 2023 1:49 PM
То:	Beaux Jennings
Subject:	FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 264489

[**EXTERNAL EMAIL**]

REJECTED-Federal 10 #1-8/18/2018

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, September 26, 2023 11:07 AM
To: Dittrich, John W <Wade_Dittrich@oxy.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 264489

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#) nMAP1822260952, for the following reasons:

- Closure denied.
- If any portion of the release occurs within the setbacks as listed in 19.15.29.12.C(4), the release must be treated as if it occurred in an area where depth to groundwater is less than 50 feet (See Table I of 19.15.29.12 NMAC).
- In the report submitted for closure, the figure titled "OSE POD Location Map" there is blue line labeling a waterway. The same blue line is depicted on the USGS National Water Dashboard map. Google aerial imagery depicts that an irrigation/canal/ditch is present.
- The southeastern portion of the release is less than 300' feet of the indicated blue line of the water feature. Refer to 19.15.29 (C) 4 NMAC for guidance.
- Submit a report via the OCD permitting portal by January 30, 2024.

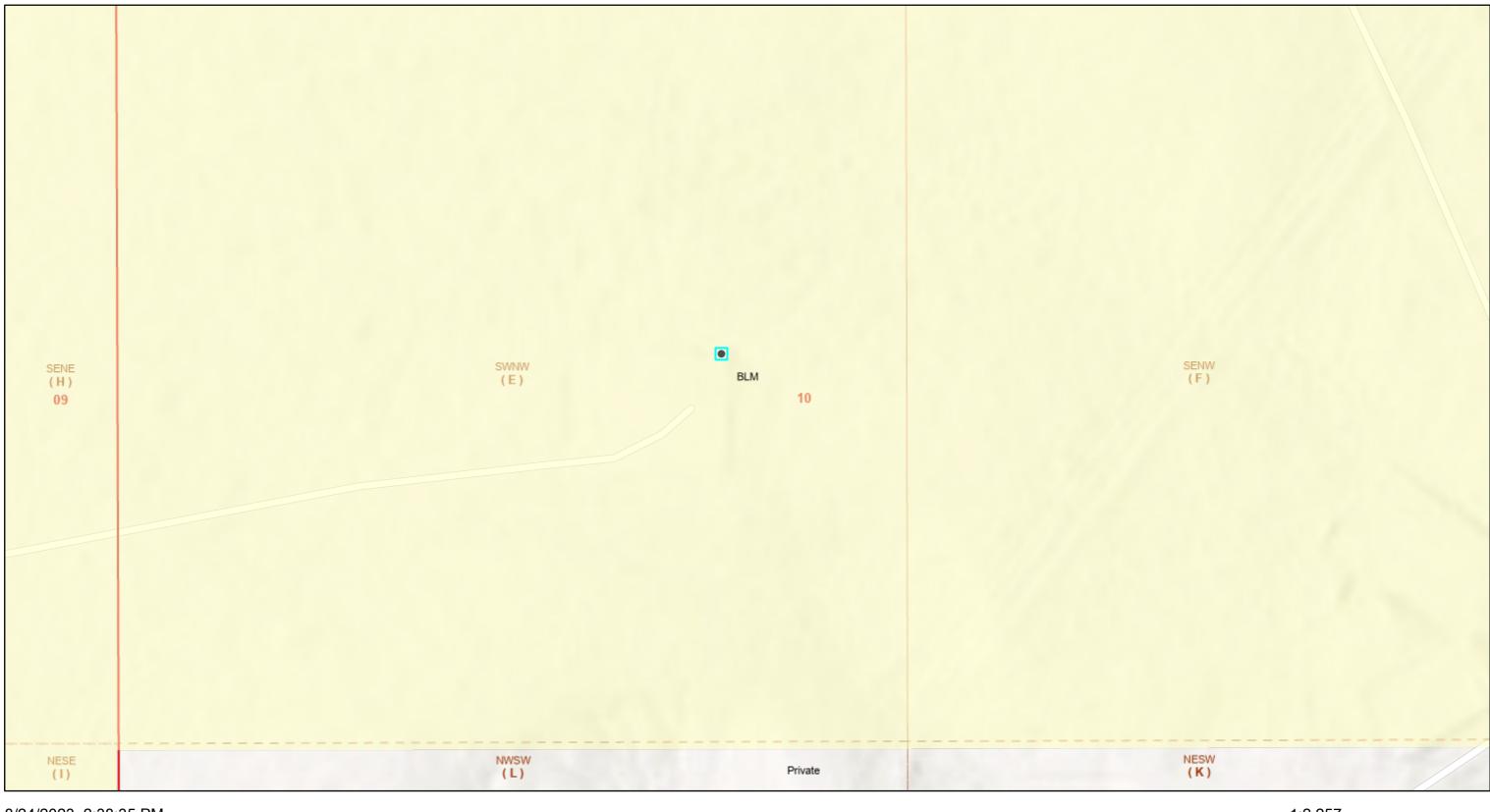
The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 264489. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Ashley Maxwell Projects Environmental Specialist - A 505-635-5000 Ashley.Maxwell@emnrd.nm.gov

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New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

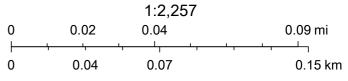
Active Mines in New Mexico



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Land Ownership





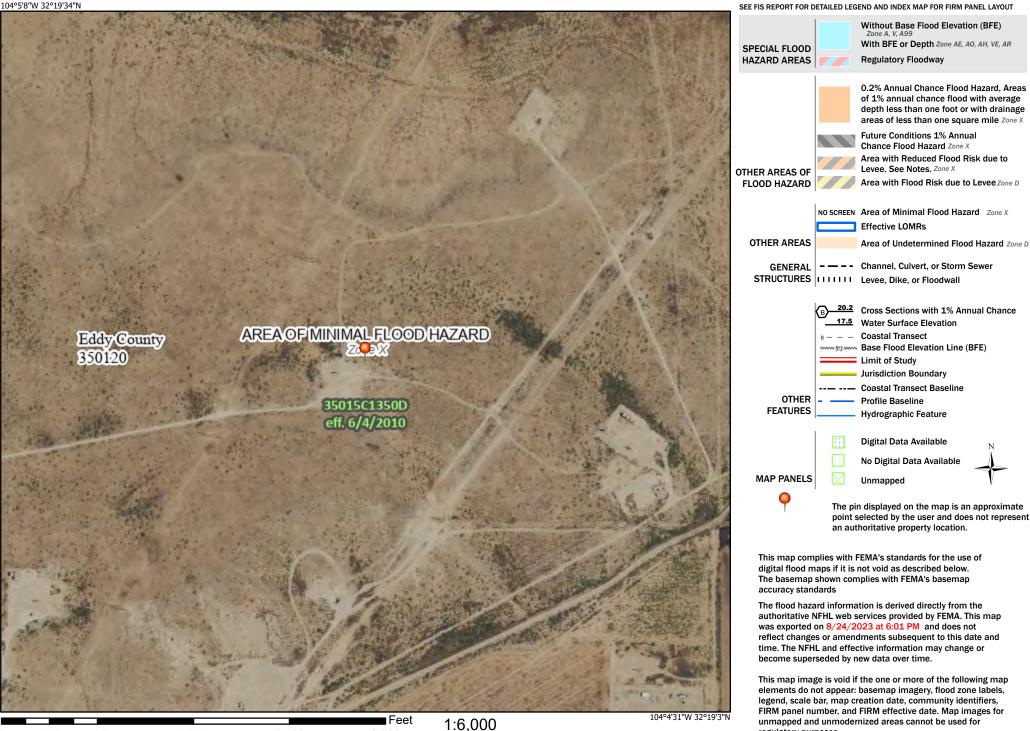
U.S. BLM, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA,

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Legend

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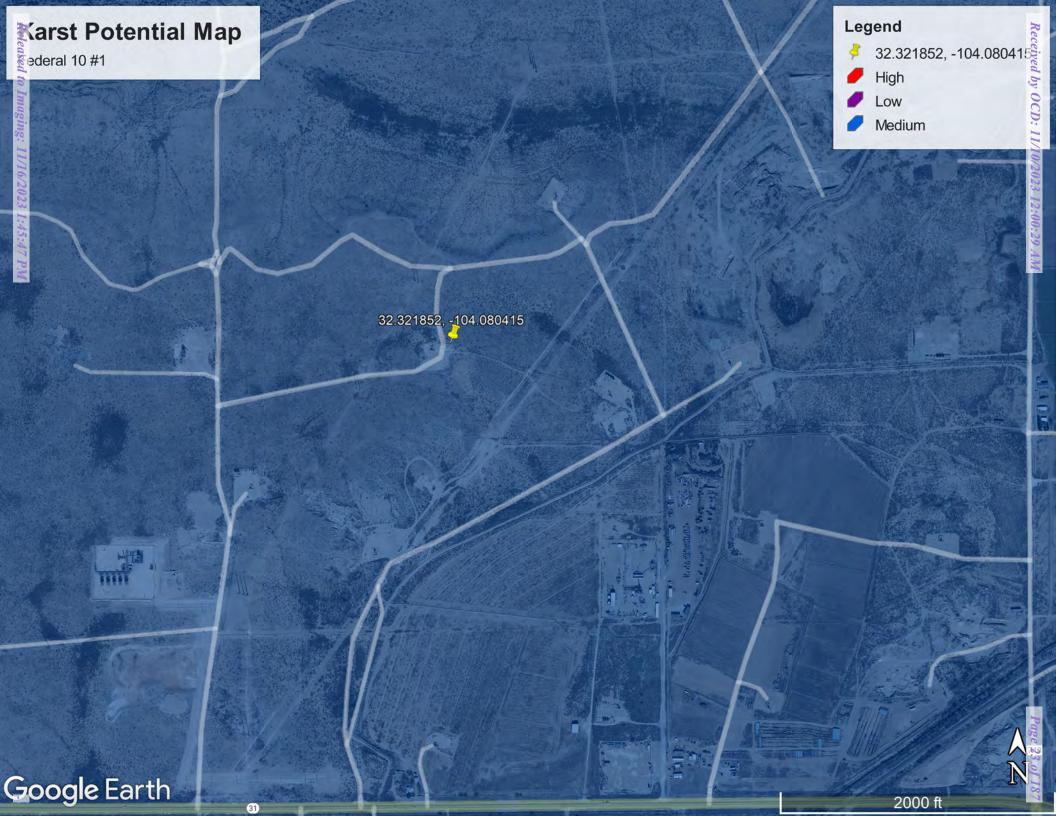


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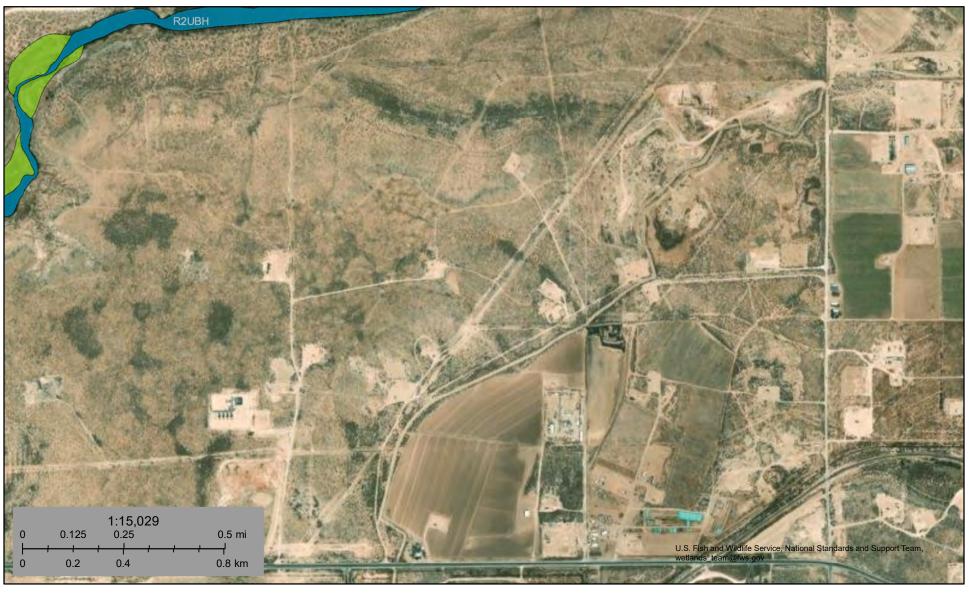
regulatory purposes.

Basemap Imagery Source: USGS National Map 2023



U.S. Fish and Wildlife Service National Wetlands Inventory

Wetlands



August 24, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

Released to Imaging: 11/16/2023 1:45:47 PM

- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

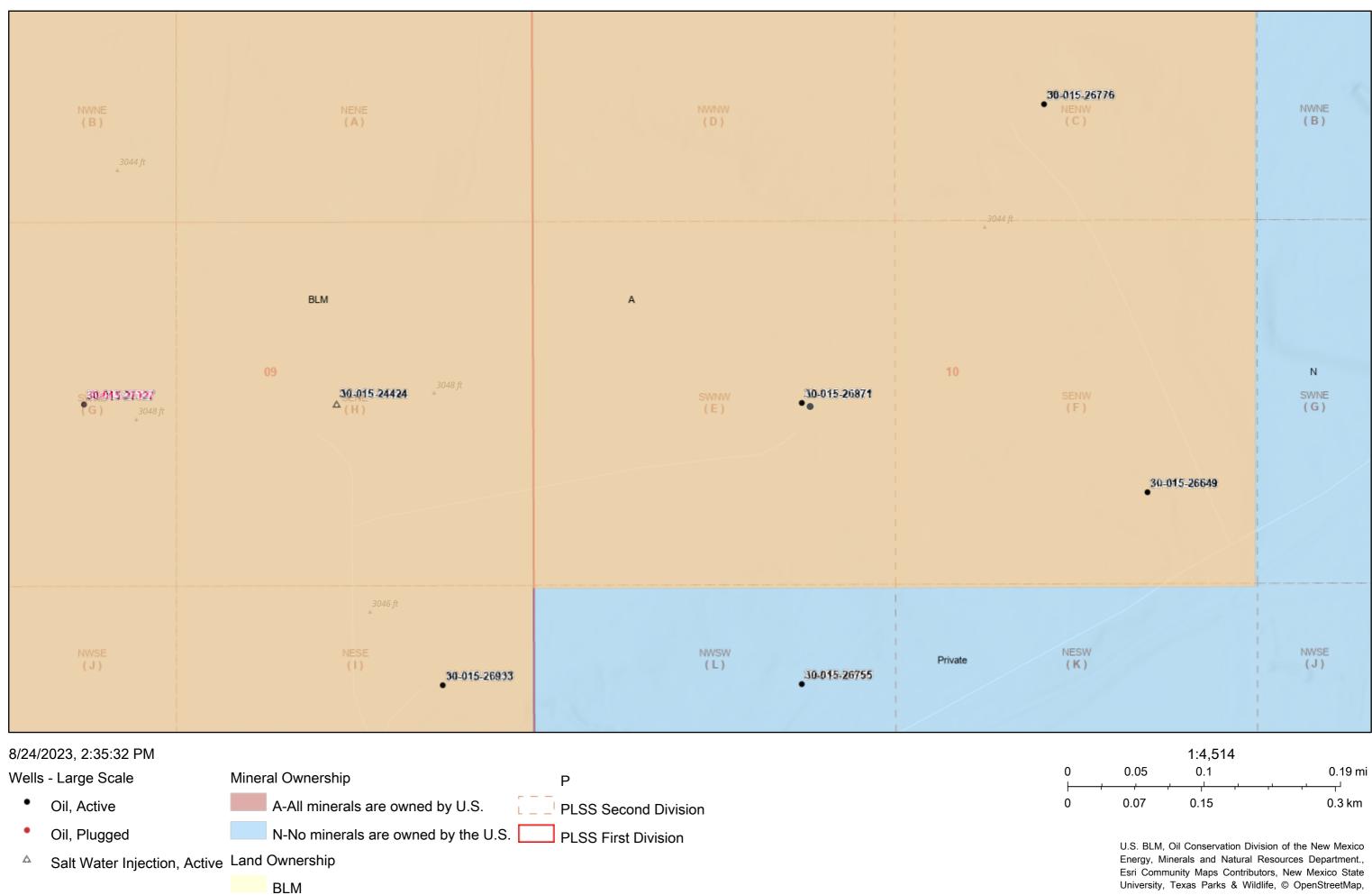
Freshwater Pond

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

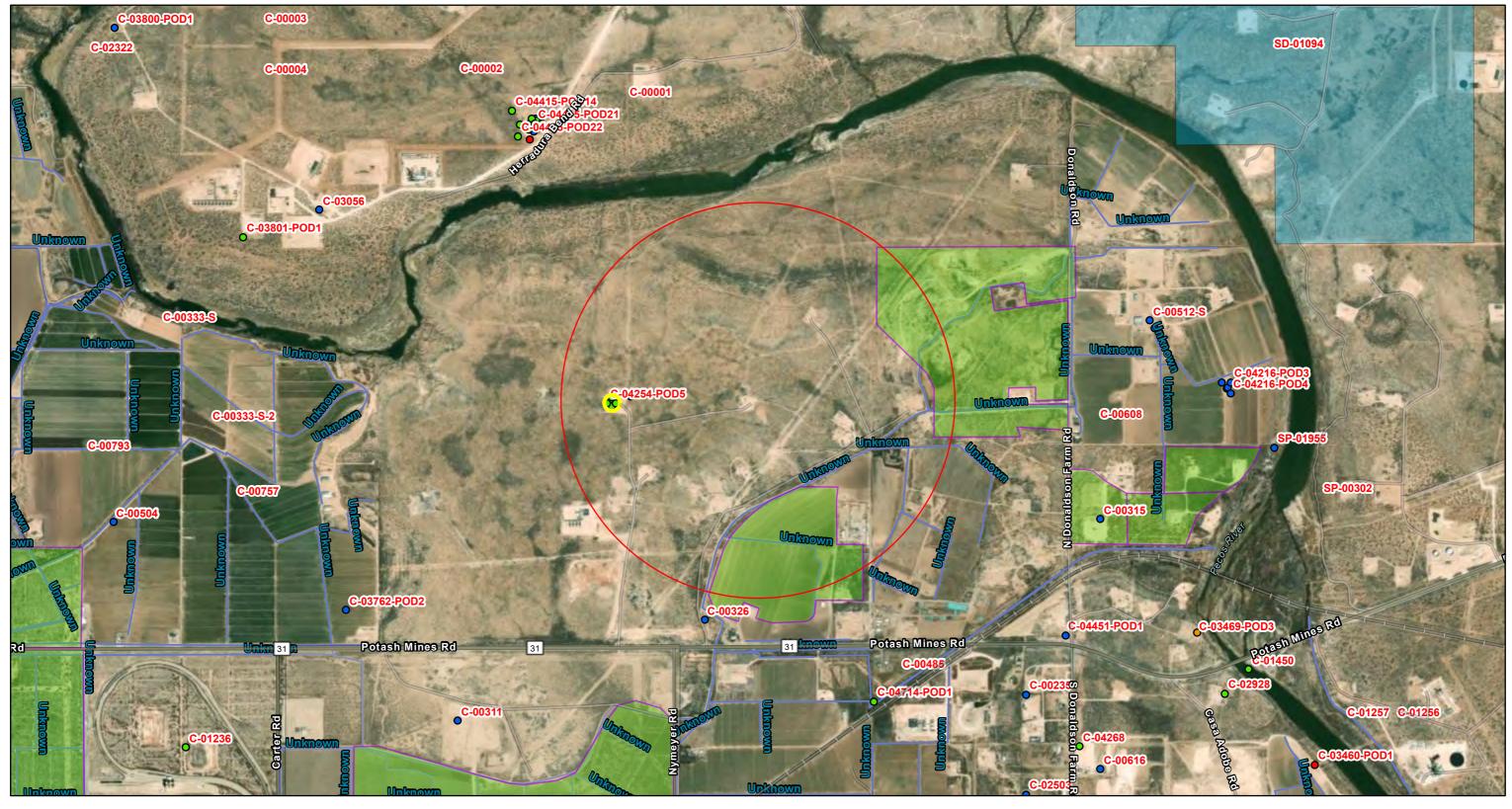
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OCD Well Locations



University, Texas Parks & Wildlife, © OpenStreetMap,

OSE POD Location Map



8/31/2023, 3:00:50 PM

- GIS WATERS PODs Plugged
 - 0 Active

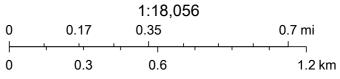
0

- - Pending Water Right Regulations
- 0 Capped
- Negative Easement Area

OSE District Boundary

- New Mexico State Trust Lands Conveyances
 - Subsurface Estate Both Estates

Ditch SiteBoundaries



Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,



Soil Boring/Temporary Monitor Well SB-1/TMW-1 (C-04254-POD1)

Company: OXY USA, Inc. Project Name: NEL 4 SWD Battery NMOCD Reference #: 2RP-4623 Location: Eddy Co., NM PLSS: Unit 'H' (SE/NE), Sec. 9, T23S, R28E Well/Borehole ID: SB-1/TMW-1 Coordinates (NAD 83): 32.321756 -104.086605 Drilling Date: 6/11-6/12/2018 Depth of Boring (ft): 60 Depth to Groundwater (ft): N/A Plugging Date: 6/12/2018

Drilling Company: HCI Drilling Driller: Kenny Cooper Drilling Method: Air Rotary Logged By: B. Arguijo Drafted By: B. Arguijo Draft Date: 7/19/2018

Screen: N/A

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Completion: N/A

OIL FIF

Comments: In NE corner of former containment area, approximately 40 feet from release point.

Casing: N/A

														1
Depth (m)	Graphic Log	Groundwater	Material Description	DIA	Chloride Field Test	Petroleum Odor	Petroleum Stain	Moisture	Analyzed	ТРН	Benzene	втех	Chloride	Well Construction
- 0	0° 1		Tan to pale brown sand, caliche											
- 5	0000			-	-	N	N	Dry	Y	ND	ND	ND	800	
- 10				-	-	N	N	Dry	Y	-	-	-	121	
- 15			Pale brown sand, caliche	-	-	N	N	Dry	N	-	-	-	-	
20	<i>.</i>		Light brown to reddish brown silty sand, silty clay, gravel	-	-	N	N	Dry	N	-	-	-	-	Bentonite
25	2.2		Reddish brown silty sand, clay, gravel	-	-	N	N	Dry	N	-	-	-	-	
30			Red silty sand, clay	-	-	N	N	Dry	Y	ND	ND	ND	4,200	
- 35				-	-	N	N	Dry	N	-	-	-	-	
40			Light brown fine sand, sandstone, w/ red clay nodules	-	-	N	N	Dry	N	-	-	-	-	
- 45			Light brown to reddish brown fine sand, sandstone w/ red clay nodules	-	-	N	N	Dry	N	-	-	-	-	Fine
- 50			Red silty sand, clay	-	-	N	N	Dry	N	-	-	-	-	grain sand
- 55			Red silty sand, clay, gravel	-	-	N	N	Dry	Y	-	-	-	458	
60			Reddish brown silty sand Total Depth = 60 feet	+ -	-	N	N	Dry	Y	ND	ND	ND	37.5	
- 65														
- 70			Notes: 1. Groundwater not present at depth indicated by available data.											
- 75			2. Lines between material types represent approximate boundaries. Actual transitions may be gradual.											
80			notar transitions may be gradual.											
- 85														
90														
95														
_														

Disclaimer This bore log is intended for environmental not geotechnical purposes.

ND = Not Detected

- = Not Analyzed



Soil Boring/Temporary Monitor Well SB-2/TMW-2 (C-04254-POD2)

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	•	ately 45			/C		Scree						
				Casing: Schedule 40, 2-Inch ID PVC Sc t area, approximately 45 feet from release point. Sc								ed PV	°C
	QIA	Chloride Field Test	Petroleum Odor	Petroleum Stain	Moisture	Analyzed	ТРН	Benzene	втех	Chloride	Wel	l Cons	struction
silty clay, gravel Reddish brown silty sand, clay Red silty sand, clay Red silty sand Red to reddish brown fine sand, silty clay, sandstone Reddish brown fine sand, sandstone Reddish brown to brown fine sand Brown fine sand Brown fine sand		- 210 556 - 5,800 - 608 - 172			Moist Moist	Y N	32.8 - - - ND - - - ND	ND ND - ND - ND	ND ND ND - ND	3,420 - 11.9 - 7,760 - - 43.7 75.1			-Bentonite -grain sand ∑ -Collapsed
	Pale brown sand, caliche, gravel Light brown to reddish brown silty sa silty clay, gravel Reddish brown silty sand, clay Red silty sand, clay Red silty sand, clay Red to reddish brown fine sand, silty clay, sandstone Reddish brown fine sand, sandstone Reddish brown to brown fine sand Brown fine sand Brown fine sand Total Depth = 80 feet Notes: 1. Due to the non-cohesive nature of	Pale brown sand, caliche, gravel - Light brown to reddish brown silty sand, silty clay, gravel - Reddish brown silty sand, clay - Red silty sand, clay - Red silty sand, clay - Red silty sand - Red silty sand - Red to reddish brown fine sand, silty clay, sandstone - Reddish brown fine sand, sandstone - Reddish brown to brown fine sand - Brown fine sand - Total Depth = 80 feet - Notes: 1. Due to the non-cohesive nature of the soil at lower depths, water was injected beginning at approximately 56 feet below ground surface to prevent collapse of the borehole. 2. Lines between material types -	Pale brown sand, caliche, gravel-Light brown to reddish brown silty sand, silty clay, gravel-Reddish brown silty sand, clay-Red silty sand, clay-Red silty sand, clay-Red silty sand-Red to reddish brown fine sand, silty clay, sandstone-Reddish brown fine sand, sandstone-Reddish brown to brown fine sand-Reddish brown to brown fine sand-Brown fine sand-Total Depth = 80 feet-Notes:1.1. Due to the non-cohesive nature of the soil at lower depths, water was injected below ground surface to prevent collapse of the borehole2. Lines between material types-	NPale brown sand, caliche, gravel-210NLight brown to reddish brown silty sand, silty clay, gravel-556NReddish brown silty sand, clayNRed silty sand, clayNRed silty sand, clay-5,800NRed silty sand-5,800NRed to reddish brown fine sand, silty clay, sandstone-608NReddish brown fine sand, salty clay, sandstone-NNReddish brown to brown fine sandNReddish brown to brown fine sandNReddish brown to brown fine sand-172NBrown fine sand-172NMotes:1. Due to the non-cohesive nature of the soil at lower depths, water was injected below ground surface to prevent collapse of the borehole2. Lines between material types	NNPale brown sand, caliche, gravel-210NNLight brown to reddish brown silty sand, silty clay, gravel-556NNNReddish brown silty sand, clay-5,800NNNRed silty sand, clay-5,800NNNRed silty sandNNNRed to reddish brown fine sand, silty clay, sandstone-608NNReddish brown fine sand, sandstone-NNNReddish brown to brown fine sandNNReddish brown to brown fine sandNNReddish brown to brown fine sand-172NNBrown fine sand-172NNNotes:1. Due to the non-cohesive nature of the soil at lower depths, water was injected beginning at approximately 56 feet below ground surface to prevent collapse of the borehole.III	NNDryPale brown sand, caliche, gravel-210NNDryLight brown to reddish brown silty sand, silty clay, gravel-556NNDryReddish brown silty sand, clay-556NNMoistRed silty sand, clayNNMoistRed silty sand, clayNNMoistRed silty sand, clayNNMoistRed silty sandNNMoistRed to reddish brown fine sand, silty clay, sandstone-608NNMReddish brown fine sand, sandstoneNNDryBrown fine sandNNDryBrown fine sandNNDryTotal Depth = 80 feetNNDryNotes: to 1. Due to the non-cohesive nature of the soil at lower depths, water was injected below ground surface to prevent collapse of the boreholeNN	Image: series of the solution	NNDryY32.8NNDryN-Pale brown sand, caliche, gravel-210NNDryY-Light brown to reddish brown silty sand, silty clay, gravel-556NNDryN-Reddish brown silty sand, clayNNMoistNRed silty sand, clayNNMoistNRed silty sand, clayNNMoistNRed silty sandNNMoistNRed oreddish brown fine sand, silty clay, sandstone-608NNMoistN-Reddish brown to brown fine sandNNDryYReddish brown to brown fine sandNNDryYN-Reddish brown to brown fine sandNNDryYN-Reddish brown fine sa	-NNDryY32.8NDPale brown sand, caliche, gravel-NNDryNLight brown to reddish brown silty sand, silty clay, gravel-556NNDryNReddish brown silty sand, clayNNDryNRed silty sand, clayNNMoistNRed silty sand, clay-5,800NNMoistYNDNDRed silty sandNNMoistYNDNDRed silty sandNNMoistNRed to reddish brown fine sand, silty clay, sandstone-NNMoistNReddish brown fine sand, sandstoneNNDryYReddish brown to brown fine sandNNDryYBrown fine sand-172NNDryYNDNDNotes:1. Due to the non-cohesive nature of the soil at lower depths, water was injected below ground surface to prevent collapse of the borehole1. Due to the non-cohesive nature of the soil at lower depths1. Due to the non-cohesive nature of the soil at	NNDryY32.8NDNDPale brown sand, caliche, gravelNNDryNLight brown to reddish brown silty sand, silty clay, gravel-210NNDryNReddish brown silty sand, clay-556NNDryNRed silty sand, clayNNMoistNRed silty sand, clay-5,800NNMoistYNDNDNDRed silty sand-5,800NNMoistYNDNDNDRed silty sandNNMoistNRed silty sandNNMoistNRed or reddish brown fine sand, sandstoneNNDryNReddish brown to brown fine sandNNDryYNDNDNDBrown fine sand-172NNDryYNDNDNDNotes:Notes:Notes:Notes:-	NNDryY32.8NDND3,420Pale brown sand, caliche, gravel-210NNDryN11.9Light brown to reddish brown silty sand, gilty clay, gravel-556NNNDDryNReddish brown silty sand, clayNNMoistNReddish brown file sand, clayNNMoistNRed or reddish brown fine sand, silty clay, sandstoneNNMoistNReddish brown fine sand, sandstoneNNNMoistNReddish brown to brown fine sandNNNDryY43.7Brown fine sandNNNDryYNNNDNDND75.1Total Depth = 80 feet<	NNDryY32.8NDND3,420Pale brown sand, caliche, gravelNNDryNLight brown to reddish brown silty sand, silty clay, gravel-210NNDryN11.9Reddish brown silty sand, clay-556NNNDryNRed silty sand, clayNNMoistNRed silty sand, clayNNMoistNRed silty sand-5,800NNNMoistNRed silty sandNNMoistNRed silty sandNNMoistNRed silty sandNNMoistNRed dish brown fine sand, saltyNNDryNNReddish brown fine sandNNNDryYNNDNDND7.1Brown fine sandNNNDryYNDNDND7.1Total Depth = 80 feet-<	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $

ND = Not Detected

- = Not Analyzed



APPENDIX C

Photographic Documentation



View of initial excavation activities, facing northwest (December 1, 2022).



View of initial excavation activities, facing southwest (December 1, 2022).



View of the excavation area during excavation activities (March 22, 2023), facing southeast.



View of the excavation area during excavation activities (March 27, 2023), facing east.



View of the excavation area (May 3, 2023), facing southeast.



View of the excavation area (May 3, 2023), facing east.



APPENDIX D

Table

Released to Imaging: 11/16/2023 1:45:47 PM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Federal 10 #1 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417056

						Tatal	Tetal				TatalTDU	
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	Dil Conservation D r Soils Impacted b (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
					Floor Sampl	e Analytical Res	ults					
FS-1	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,070
FS-2	12/1/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6,560
F3-2	1/6/2023	6			NS					NS		25,200
	2/6/2023	8			NS					NS		128
FS-3	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	9,800
13-3	11/30/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,040
	12/1/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10,0	<10.0	18,000
FS-4	1/6/2023	6			NS					NS		22,800
10-4	2/6/2023	8			NS					NS		4,720
	3/27/2023	12			NS					NS		6,960
	10/11/2023	14			NS					NS		32.0
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0,300	<10.0	<10.0	<10.0	<10.0	13,200
	12/1/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	13,000
FS-5	1/6/2023	6			NS					NS		9,860
13-3	3/27/2023	12			NS					NS		12,400
	5/24/2023	14			NS					NS		2,880
	10/11/2023	16			NS					NS		16.0
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,440
	11/30/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	9,000
FS-6	1/6/2023	6			NS					NS		18,400
FS-6	2/6/2023	8			NS					NS		15,000
	3/27/2023	12			NS					NS		7,920
	10/11/2023	14			NS					NS	<u></u>	<16.0
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10,0	<10.0	1,800
FS-7	11/30/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,260
	11/30/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	800
	1/6/2023	2.5			NS		•			NS		7,600
FS-8	2/6/2023	8			NS					NS		2,520
	3/27/2023	12			NS					NS		6,720
	10/11/2023	14			NS	<u> +]+]+]+]+]+]+]+]+]+]+]</u> +	1+		1.1.1.1.1.1.1.1.1.1.1.1.1.1	NS	***********************************	<16.0
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0,300	<10.0	<10.0	<10.0	<10.0	8.600
	12/7/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5,360
	1/6/2023	6	10,000		NS	1	1	~10.0		NS		3,600
FS-9	2/6/2023	8			NS					NS		7,330
	3/27/2023	o 12			NS					NS		7,330 8,480
	10/11/2023	14			NS	<u>a a a ser a se</u>				NS	<u>na na seconda de </u>	<16.0
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	21,200
	12/7/2022	0-0.25 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0	21,200 5,200
			<u.uou< td=""><td><0.000</td><td><0.050 NS</td><td>I <∿.190</td><td><0.300</td><td><10.0</td><td><10.0</td><td><10.0 NS</td><td><.IU.U</td><td></td></u.uou<>	<0.000	<0.050 NS	I <∿.190	<0.300	<10.0	<10.0	<10.0 NS	<.IU.U	
FS-10	1/6/2023	6										8,000
	2/6/2023	8	<u> </u>		NS					NS		2,240
	3/27/2023	12	perendenti		NS			pananana		NS		3,120
	10/11/2023	14			NS			1		NS		<16.0

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Federal 10 #1 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417056

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	Dil Conservation D r Soils Impacted b (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8,400
FS-11	12/1/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	11,200
10-11	1/6/2023	6			NS					NS		16,000
	2/6/2023	8			NS					NS		400
FS-12	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	20,800
FS-13	12/1/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8,200
10-10	1/6/2023	6			NS					NS		12,000
	2/6/2023	8			NS					NS		144
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,400
FS-14	11/30/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	848
	1/6/2023	2.5			NS					NS		480
FS-15	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,240
F3-15	11/30/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,160
FS-16	11/29/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	10,600
FS-16	1/6/2023	6			NS					NS		10,800
	2/6/2023	8			NS					NS		384
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	8,130
	11/29/2022	4	<0.050	<0.050	<0.050	<0.150	<0,300	<10.0	<10.0	<10.0	<10.0	5,000
	1/6/2023	6			NS					NS		6,800
FS-17	2/6/2023	8			NS					NS		4,400
	3/27/2023	12			NS					NS		1,720
	10/11/2023	14			NS					NS		<16.0
	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,480
	11/29/2022	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,080
FS-18	1/6/2023	6			NS					NS		10,800
	2/6/2023	8			NS					NS		1,560
	3/27/2023	12			NS					NS		*640
50.40	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,720
FS-19	11/28/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
50.00	10/20/2022	0-0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	3,200
FS-20	11/28/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384

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Received by OCD: 11/10/2023 12:00:29 AM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Federal 10 #1 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417056

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil	Conservation Di	vision Closure										
Criteria for S	oils Impacted by	y a Release	10	NE	NE	NE	50	NE	NE	NE	100	600
	(≤ 50 feet)											
FS-21	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,800
13-21	11/28/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS-22	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS-23	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-24	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-25	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,420
1 3-23	11/28/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS-26	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-27	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS-28	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-29	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-30	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-31	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-32	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-33	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-34	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,090
F3-34	11/28/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS-35	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-36	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-37	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-38	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-39	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-40	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-41	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
FS-42	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-43	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	624
F0-43	11/28/2022	1	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	304
FS-44	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-45	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

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Received by OCD: 11/10/2023 12:00:29 AM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Federal 10 #1 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417056

Released to Imaging: 11/16/2023 1:45:47 PM

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Designation Date (feet bgs) (mg/kg)	Chloride (mg/kg) 600 2,720 16.0
Criteria for Solis Impacted by a Release (\$ 50 feet) 10 NE NE NE 50 NE NE NE 100 SW-1 12/1/2022 4 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.0	2,720
Sidewall Sample Analytical Results SW-1 12/1/2022 4 <0.050	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
SW-1 16/2023 0 - 6 NS NS SW-2 121/2022 4 <0.050	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
2/6/2023 0 - 8 NS NS 3W-3 12/1/2022 1 <0.050	3,200
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	16,000
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	256
SW-3 2/6/2023 0-8 NS NS NS NS 3/27/2023 0-8 NS 10.0 <10.0	16,000
2/6/2023 0 - 8 NS NS NS NS SW-4 12/1/2022 1 <0.050	8,130
SW-4 12/1/2022 1 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	688
Image: New Sector Sec	512
SW-5 1/6/2023 0 - 3 NS NS NS 2/6/2023 0 - 8 NS NS </td <td>240</td>	240
SW-5 2/6/2023 0 - 8 NS NS 3/27/2023 0 - 8 NS NS NS 5/24/2023 0 - 8 NS NS NS 6/1/4/2023 0 - 8 NS NS NS 10/11/2023 0 - 10 NS NS NS 10/11/2023 0 - 6 NS NS NS 11/1/2022 4 <0.050	2,000
SW-5 3/27/2023 0 - 8 NS NS 5/24/2023 0 - 8 NS NS NS NS 6/14/2023 0 - 8 NS NS NS NS NS 10/11/2023 0 - 10 NS	1,500
5/24/2023 0 - 8 NS NS 6/14/2023 0 - 8 NS NS NS 10/11/2023 0 - 10 NS NS NS 10/11/2023 0 - 10 NS NS NS 12/1/2022 4 <0.050	5,280
6/14/2023 0 - 8 NS NS NS 10/11/2023 0 - 10 NS NS NS NS SW-6 12/1/2022 4 <0.050 <0.050 <0.150 <0.000 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	14,900
10/11/2023 0 - 10 NS NS SW-6 12/1/2022 4 <0.050	12,400
SW-6 12/1/2022 4 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	4,640
SW-6 1/6/2023 0 - 6 NS NS 2/6/2023 0 - 8 NS NS NS 3/27/2023 0 - 8 NS NS NS 10/11/2023 0 - 10 NS NS NS 10/11/2023 0 - 10 NS NS NS 12/1/2022 4 <0.050	<16.0
SW-6 2/6/2023 0 - 8 NS NS NS 3/27/2023 0 - 8 NS NS NS NS 10/11/2023 0 - 10 NS NS NS NS 10/11/2023 0 - 10 NS NS NS NS 10/11/2023 0 - 10 NS NS NS NS 12/1/2022 4 <0.050	9,600
3/27/2023 0-8 NS NS NS 10/11/2023 0-10 NS NS NS NS 12/1/2022 4 <0.050	26,000
10/11/2023 0 - 10 NS NS 12/1/2022 4 <0.050	4,120
12/1/2022 4 <0.050 <0.050 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	8,600
1/6/2023 0 - 6 NS NS 2/6/2023 0 - 8 NS NS SW-7 3/27/2023 0 - 8 NS 5/24/2023 0 - 8 NS NS	<16.0
2/6/2023 0 - 8 NS NS SW-7 3/27/2023 0 - 8 NS NS 5/24/2023 0 - 8 NS NS NS	20,000
SW-7 3/27/2023 0 - 8 NS NS 5/24/2023 0 - 8 NS NS	1,100
SW-7 5/24/2023 0 - 8 NS	13,300
5/24/2023 0-8 NS	42,000
	20,400
6/14/2023 0 - 8 NS NS	10,500
6/20/2023 0 - 8 NS NS	6,800
10/11/2023 0-10 NS NS	<16.0
12/1/2022 4 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0	432
SW-8 2/6/2023 0 - 8 NS NS	7,760
10/11/2023 0-10 NS NS	<16.0
12/7/2022 4 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0	10,000
1/6/2023 0 - 6 NS NS	14,000
SW-9 2/6/2023 0-8 NS NS	1,380
3/27/2023 0-8 NS NS	1,800
10/11/2023 0-10 NS NS	<16.0
12/7/2022 4 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0	10,300
1/6/2023 0 - 6 NS NS	640
2/6/2023 0 - 8 NS NS	16,000
SW-10 3/27/2023 0-8 NS NS	49,600
5/24/2023 0-8 NS NS	21,600
6/14/2023 0-8 NS NS	6,800
10/11/2023 0-10 NS NS	<16.0

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Federal 10 #1 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417056

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	il Conservation Di Soils Impacted by (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
					Background Sar	nple Analytical F	lesults					
BG-1	10/20/2022	0 - 0.25	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
BG-2	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
BG-3	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
BG-4	10/20/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0

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

*Based on the location of the sample, the applicable closutre criteria for chloride is 10,000 mg/kg.

Additional Excavation and/or Re-Sample

bgs: below ground surface

mg/kg: milligrams per kilogram

NA: Not Applicable NE: Not Established

NS: Not Sampled

Released to Imaging: 11/16/2023 1:45:47 PM

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



October 24, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 10/20/22 13:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 1 0-.25' (H224939-01)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	zed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	109	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	128	% 46.3-17	0						

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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 2 0-.25' (H224939-02)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	D 97.9 % 69.9-1		0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	109 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	127 9	% 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 3 0-.25' (H224939-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3 % 69.9-1		0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9800	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	106 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	124 9	% 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 4 0-.25' (H224939-04)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6 % 69.9-1		0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	104 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	122 9	46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 5 0-.25' (H224939-05)

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	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	10/21/2022	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	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	106 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	127 9	% 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 6 0-.25' (H224939-06)

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	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	10/21/2022	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	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	106 9	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124 %	6 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 7 0-.25' (H224939-07)

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	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	10/21/2022	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	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 8 0-.25' (H224939-08)

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	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4260	16.0	10/21/2022	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	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	104 9	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	121 9	6 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 9 0-.25' (H224939-09)

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	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By:		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8600	16.0	10/21/2022	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	10/22/2022	ND	200	100	200	3.84	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	203	102	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	113 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	135 %	6 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 10 0-.25' (H224939-10)

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	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	94.2	45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 %	6 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 11 0-.25' (H224939-11)

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	10/23/2022	ND	1.99	99.6	2.00	1.93	
Toluene*	<0.050	0.050	10/23/2022	ND	2.10	105	2.00	1.72	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	1.97	98.3	2.00	2.90	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.91	98.4	6.00	2.98	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	97.0 \$	45.3-16	1						
Surrogate: 1-Chlorooctadecane	118 %	6 46.3-17	8						

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 12 0-.25' (H224939-12)

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	10/23/2022	ND	2.02	101	2.00	0.972	QM-07
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	110 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	132 9	% 46.3-17	8						

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 13 0-.25' (H224939-13)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0 \$	69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20800	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	101 9	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	121 %	6 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 14 0-.25' (H224939-14)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	10/21/2022	ND	400	100	400	7.69	QM-07
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	94.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 15 0-.25' (H224939-15)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	89.9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	109 9	46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 16 0-.25' (H224939-16)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analy		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1160	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	117 9	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	143 %	46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 17 0-.25' (H224939-17)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	92.3	45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	6 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 18 0-.25' (H224939-18)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	109 9	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	132 9	6.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 19 0-.25' (H224939-19)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	104 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124 9	% 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 20 0-.25' (H224939-20)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	100 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	121 9	% 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 21 0-.25' (H224939-21)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	99.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118 9	46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 22 0-.25' (H224939-22)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	90.2 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 %	6 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 23 0-.25' (H224939-23)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
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	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	100 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	122 9	46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 24 0-.25' (H224939-24)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	101 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	123 9	% 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 25 0-.25' (H224939-25)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg Analyzed		d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	99.5	45.3-16	1						
Surrogate: 1-Chlorooctadecane	122 9	46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 26 0-.25' (H224939-26)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
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	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	94.6	45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	6 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 27 0-.25' (H224939-27)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg An		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	72.2 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.5 9	% 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 28 0-.25' (H224939-28)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
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	10/21/2022	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	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	91.1	45.3-16	1						
Surrogate: 1-Chlorooctadecane	111 %	6 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 29 0-.25' (H224939-29)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
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	10/21/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	203	101	200	7.92	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	190	94.9	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	86.9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	104 9	46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 30 0-.25' (H224939-30)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
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	10/21/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	98.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107 9	% 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 31 0-.25' (H224939-31)

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	10/23/2022	ND	2.02	101	2.00	0.972	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	0.325	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	5.99	99.8	6.00	0.667	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
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	10/21/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	93.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 9	% 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 32 0-.25' (H224939-32)

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	10/23/2022	ND	2.03	101	2.00	2.18	QM-07
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 69.9-14	0						
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	10/21/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	90.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.5	% 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 33 0-.25' (H224939-33)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
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	10/21/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	107 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	116 %	6 46.3-17							

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 34 0-.25' (H224939-34)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	10/24/2022	ND	416	104	400	0.00	QM-07
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	104 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 %	6 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 35 0-.25' (H224939-35)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	106 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	116 %	46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 36 0-.25' (H224939-36)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	114 %	45.3-16	1						
Surrogate: 1-Chlorooctadecane	124 9	46.3-17							

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 37 0-.25' (H224939-37)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	99.2	45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 9	46.3-17	8						

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 38 0-.25' (H224939-38)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	127 9	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	140 9	6 46.3-17	8						

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 39 0-.25' (H224939-39)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	96.7	45.3-16	1						
Surrogate: 1-Chlorooctadecane	105 9	46.3-17	8						

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 40 0-.25' (H224939-40)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6 9	69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	105 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 %	6 46.3-17	8						

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 41 0-.25' (H224939-41)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	92.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 42 0-.25' (H224939-42)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	99.3	45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 9	46.3-17							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 43 0-.25' (H224939-43)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	82.4	45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.1	46.3-17	8						

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 44 0-.25' (H224939-44)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8 9	69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	102 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 %	6 46.3-17	8						

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Received:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 45 0-.25' (H224939-45)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	91.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: BG - 1 0-.25' (H224939-46)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	94.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	% 46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: BG - 2 0-.25' (H224939-47)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	98.6	45.3-16	1						
Surrogate: 1-Chlorooctadecane	109 9	46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: BG - 3 0-.25' (H224939-48)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	103	45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	46.3-17	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:	10/20/2022		Sampling Date:	10/20/2022
Reported:	10/24/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: BG - 4 0-.25' (H224939-49)

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	10/23/2022	ND	2.03	101	2.00	2.18	
Toluene*	<0.050	0.050	10/23/2022	ND	2.14	107	2.00	3.02	
Ethylbenzene*	<0.050	0.050	10/23/2022	ND	2.00	100	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/23/2022	ND	6.02	100	6.00	2.62	
Total BTEX	<0.300	0.300	10/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 69.9-14	0						
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	10/24/2022	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	10/22/2022	ND	195	97.5	200	1.03	
DRO >C10-C28*	<10.0	10.0	10/22/2022	ND	194	97.2	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/22/2022	ND					
Surrogate: 1-Chlorooctane	93.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

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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

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Page 91 of 187

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575)	101 East
393-2326	st Marland,
FAX (575)	id, Hobbs
5) 393-2476	, NM 8824
476	240

company mane.	Ensolum, LLC			BILLT	10	A	ANALYSIS REC	REQUEST
Project Manager:	6.	coning 5				-		1000
Address: 601 t	601 N. Marienfeld St. S	STE 400		Company: Oxy USA,	A, Inc.			
City: Midland		State: TX	Zip: 79701	8	- T			
Phone #: 2 10	219 885	SS Fax #:		8			_	
Project #: Ea	leral 10 #	Project Owner:	n Oxy	City:		20		
Project Name: 03814	30,14,705	2		State: Zip:		50		
Project Location:	Eddy C	o Mm		*	-2828	4		
Sampler Name:	Shene D.	Ila						
FOR LAB USE ONLY		-	A. MATRIX	ESERV.	SAMPLING			
Lab I.D.	Sample I.D.). Sample Depth (feet)	RAB OR (C)OM ONTAINERS OUNDWATER STEWATER	IER : D/BASE: / COOL IER :	TPH 801	Lloride		
-	F5-1	52:-0		< 10		× .		
ىو	15.2	0-,25	x 2	22-02-10/ X	× 2011 22	×		
w	F5-3	025	X	11	114	× <		
t	1-5-4	025	C ×	× 10-20-	X 1411 1	×		
S	1=5.5	0-,25	C x	20.	× 6 11 22	X		
6	15-6	025	C ×	22-02-10 X	1151	-		
7	ES.7	0.25	C ×	× 60-20.	× 651/22			
200	8.54	0.25	C x	-02-01 ×	× 5511 22	×		
2	1-5-9	025	C ×	22-07-01 >	× 1.51 2	×		
LEASE NOTE: Liability and Dam	TS-10 Jamages Cardinal's liability and	dient's exclusive rem		X 10-10-25		XX		
nalyses. All claims including t ervice. In no event shall Cardi filiates or successors arising o	hose for negligence and any on the liable for incidental or on the liable for incidental or out of or related to the perform	other cause whatsoever shall be deemed other cause whatsoever shall be deemed consequental damages, including without nance of services hereunder by Cardinal, 1	analyzes. All claims including those for negligence and any other cause visitory or any came arasing whether based in contract or tor, shall be initiad to the amount paid by the client for the workde. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits normed by client, its subsidiaries, infiliates or successors arabing out of or reliated to the performance of services betwarder by Cardinal, vegardees of whether such claim is based upon any of the above stated reasons or otherwise.	X or tort, shall be limited to the amount nd received by Cardinal within 30 days i loss of use, or loss of profits incurred to los based upon any of the above stated is based upon any of the above stated	paid by the olient for the after completion of the applicable by client, its subsidiaries, I reasone or oftenues			
Hold State	- Maria	Time; 3/8	Received By:	Maller .	All Results are email BJennings@ensol	Iled. Please prov	Add'I Phone #: ide Email address:	
Keiinquisned By:		Date: Time:	Received By:	J	REMARKS:			
by OC Delivered By: (Circle One) Sampler - UPS - Bus - Ot	le One) Is - Other:	Observed Temp. *C Corrected Temp. *C	°C 0,8 Sample Condition	lion CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 Correction Factor -03:	Standard A	Bacteria (only) S Cool Intact Ves Yes	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

101 East Marland, Hobbs, NM 88240 oratories

CIISOL								
Project Manager: Beauty	Beaux Jennings			P.O. #:	- B	-		
Address: 601 N. Marienfe	400			Company: 0	Oxy USA, Inc.			
City: Midland	State:	TX Zip:	79701	Attn: Wade Dittrich	Dittrich			
Phone #: 210-215-	-8858 Fax #:			Address:				
Project #: 038 14170	05-6 Project Owner:		1XO	City:				0
Project Name: Federa	1 10 #1				Zip:			
Project Location: Edd	C. NM			*	575-390-2828			13
Sampler Name: 54	Dilles			Fax #		n	16	
FOR LABUSE ONLY			MATRIX	DRESERV	SAMPI ING	57	2	
		C)OMP.	ER			801	80	, de s
Lab I.D. Samp	Sample I.D. Sample Depth (feet)	(G)RAB OR (# CONTAINE GROUNDWA WASTEWATI SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME	т ТРН	BTEX	Chlor.
11 15.	-11 0.	25 6	X	_	00 21 22-02-01	X 00	×	K
a 1=5.	-R 0	25 C	1 1	X	021 22-02-01	X 20	x	×
5-1 61	-13 0	25 C	/ ×	×	402121204		×	×
ES -	-14 0-	25 C	×	× 1	0 21 22-02-0	XX	×	×
15 25-	15 0-	25° C	x	×	02122.52-0	X	x	×
10 FS-	16 0 -	25 C	- *	x	12	x oi	×	×
17 15-	-17 0-	25 C	X	×	12	× 21	×	~
8 1-5-	- 18 0 -	25 C	×	×		× p	X	×
19 75-	-0 81.	25 C	×	x	-	X	X	×
al) F5-	20 0-	25 C	X	K 1	12	× 22	X	×
PILEASE NOTE: Liability and Damages. Cardina's liability and clience exclusive remedy for any claim ansing whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including these for negligence and any other cause whatbower whatbower whited 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 indicatal or concauses including whited limited on whether a sub-article and any other cause whatbower whout limited to make no work of most income how most invite and any other cause whatbower whout limited to make and any other cause in the other service. In one event shall Cardinal without on the concentration damages including whould limited to the applicable service. In no event shall Cardinal be liable for howing concentration damages including whould limited to make an use or less of most income how now how the service. All claims including the client of the applicable service. In no event shall Cardinal and the liable for howing and second whould limited to make not use of most most income how how the service.	Cardinal's liability and client's exclusive remedy for any cliam arising whether based in contract or tort, shall be limited to the amount pad by the client for the regigning and any other cause whatbeever shall be deemed waived unless made in whiting and nearbod by Cardinal within 30 days after completion of the a bit for incidential or consecuted at domains, including without limited on unless interuntions, loss of use or from or from a non-universa-	edy for any claim a shall be deemed w including without lie	irising whether based in contract, wived unless made in writing and mitation, business internations, ic	or tort, shall be limited to th received by Cardinal withit ness of use or loss of profile	te amount paid by the cli- to 30 days after completion	n of the applicab	5	-
affiliates or successors arising out of or related to the performance	to the performance of services hereu	hereunder by Cardinal, re	mason, ousness manuptons, ic gardless of whether such claim i	is based upon any of the above	s incurred by client, its subsid bove stated reasons or otherv	herwise.		
Relinguished By:	Date:	Reco	Received By:			Varhal Rocult.	T Vac	No Add'I Phone #

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 11/10/2023 12:00:29 AM

Relinquished By:

Date: Time:

Received By:

REMARKS:

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

Observed Temp. "C 0,8 Corrected Tamp. "CO,2

Sample Condition Cool Intact Yes Yes No No No

(Initials)

Turnaround Time:

Rush Standard

GR

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

Observed Temp, °C Corrected Temp. °C

Correction Factor -0.5°C

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

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101 East Marland, Hobbs, NM 88240 atories

	(575) 393-2326	575) 393-2326 FAX (575) 393-2476	476				
Company Name:	Ensolum, LLC			BILL TO	0	A	ANALYSIS REQUEST
Project Manager:	Beaux J.	con inds		P.O. #:	_	-	
Address: 601 N.	601 N. Marienfeld St. STE 400	TE 400		Company: Oxy USA,	A, Inc.		
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich			
Phone #: 2 10	219 88	SFax #:		Address:			
Project #: OSBI	1417056	Project Owner:	a	City:			
Project Name:	educal 10	17		State: Zip:		0	
	11/1	1110				2	
Project Location:	Eddy C	o Min		Phone #: 575-390-2828		-	
Sampler Name:	Shent D	1/1e/		Fax #:			
FOR LAB USE ONLY			MATRIX	ESERV.	SAMPLING		
Lab I.D.	Sample I.D.	Sample (fee	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	TIME	BTEX 80 Chlorides	
2	+5-21	0.25) x	ĸ	~	x K	
83	F5-22	0-,25	× U	12-02-0X X		XX	
23	F5-23	025	< / K	22-02- 01 X	1226		
at	+5-24	52.0	C - x	10	8221	-	
18	1-5-25	025	CI X	X 10-20-22		×	
die	1-5-26	0 25	C / X	× 10-20.22	× 061130	x	
201	1-5-27	025	CIX	× 10-20-22	× 121/2	xx	
8	1-5-28	025	CIX	× 10-20-2	x 551132 x	ĸ	
24	1=5-29	025	C 1 X	× 10-20-20	11	× ×	
PLEASE NOTE: Liability and Da		Or .	C / X	X 10-26-22	× 22112	ĸĸ	
Leves AV III: Leaving and Lemages halves. All claims including those for in since. In no event shall Cardinal be lia filiates or successors arising out of or n	Damages. Caronars lability and those for negligence and any oth inal be liable for incidental or cor out of or related to the performar	J clients exclusive remedy for any her cause whatsoever shall be do insequential damages, including v ince of services hereunder by Ca	PLCASC MV IE: Louisity and usinages. Cardna's lability and client's exclusive tensory (or ony data making whether based in contract not, shall be limited to the anount paid by the client for the mayees. All claims including those for negligence and any other cause whatsever shall be deemed waived unless made in whiting and received by Cardnal which 30 days after completion of the explicable tention. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors whiting out of or related to the performance of services hereinder by Cardnal, regardless of whether such claim is based upon any of the above stated reasons or offeneties.	I or tort, shall be limited to the amount j rd received by Cardinal within 30 days a loss of use, or loss of profits incurred b is begaind upon any of the above stated	paid by the client for the filter completion of the applica y client, its subsidiaries, reasons or offhenwise.	bie	
Relinguisbéd By:	1	Date: 0-20-22	Received By:	11111	Verbal Result:	Yes I No ed. Please prov	Add'l Phone #: ide Email address:
Julia	N	V 8/2: Juin	Mulda 1	Mal MC	BJennings@ensolu	solum.com	Linan auduress.
Relinquished By:		Date: Time:	Received By:	J	REMARKS:		
Delivered By: (Circle One)		Observed Temp. "C	0.8 Sample Condition Cool_Intact	tion CHECKED BY: (Initials)	Turnaround Time:	Standard	
Sampler - UPS - Bus - Other:		Corrected Tamp. "C		1	Thermometer ID #		Ves Yes No Corrected Temp. °C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 atories

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	(575) 393-2326	(575) 393-2326 FAX (575) 393-2476	476			1	L .		4.	E										
Company Mane.	Ensolum, LLC			1					_			-		LTO					A	ANALYSIS REQUEST
Project Manager:	~	Jannings							-	P.O.	*								-	
Address: 601 N	601 N. Marienfeld St. STE 400								-	S	Company:	iny:		Oxy USA, Inc.	9					
City: Midland		State: TX	Zip:		79701	5			-	Attn:		Wa	del	Wade Dittrich					_	
Phone #: 2 /0	588 812	8 Fax #:							-	Add	Address:	<u></u>				_				
Project #: 09 3	1417056	Project Owner:	л О	0	2	1			-	City:										
Project Name:	ederal 10	ħ							(0)	State:	0			Zip:				20	-	
Project Location:	E 11 1	Min							-	5	2	*	57	575-390-2828		m	6	20	_	
Project Location;	t shelt C	1010							-	Pho	Phone #:	*	0	707-08C-C		5	216	48	_	
Sampler Name:	Shart UI	ller								Fax #:	*					1/	22	4		
FOR LAB USE ONLY			P.			_	MATRIX	R	- 1		PRESERV.		Ĩ	SAMPLING		80	80	15		
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BIEX	Chlorid		
3	1-5-31	0-25	_	-		-	X	-	-	_	-		_	12-02-11	1120	×	X	×	+	
w e	F5-32	025	2	1			\times	_	_	-	_	×	~	2-20-22	1117	x	x	×	-	
N CV	1-5-33	025	0	1			R	-	-	_	-	R	2	22-02-01	1115	x	X	×	+	
54	1=5-34	025	0	-			×			-	-	X	-	52-02-0	1112	×	7	ĸ	-	
22	1-5-35	025	0	-			K	_	-	-		7	*	0-20-22		X	×	7	-	
36	1-5-36	025	0	1			×	-		-	-	2	-	52-02-01	107	X	x	×	-	
3	ES-37	0-25	0	-			K	-	-	-	-	5	-	0-20-22	105 2	X	χ	4	-	
8	15-38	0:15	0	-			×	-	-	-	-	×		2	1053	N	×	X	-	
39	15-39	0.25	0	-			×		-	-		×			Ø	ų	X	<		
40 F	F5-40		0	-			×			\vdash	\vdash	X		- 70-22	1047	x	×	X		
analyses. All claims including th service. In no event shall Cardin	variegee, caronars sacony and crents exc hose for negligence and any other cause wi had be liable for incidental or consequental	damages,	eemed without I	waived	d unlet	ner ba Is mad	sed in se in w	riting a	nd rec	of us	e, or h	ardina of	profit	he amount paid by in 30 days after co s incurred by clien	paid by the cilent for the after completion of the ap by client, its subsidiaries,	plicable				
Relinquished By:	1	Date: 20-22 Re		Received By:	be	٩Y:					2	2			Verbal Result: All Results are	It:	Ves	Please pro	Ado	Verbal Result: Verbal Result: Verbal Result: Verbal Result Please provide Email address:
Sur 1	Soll	Time: 3/8 0	K	L	1		6	2	2	1h	10	19	P	R	BJennings@ensolum.com	@ens(olum.c	Om prease bit	Dana P	cition andress.
Relinquished By:		Date: Time:	Rec	Received By	ed E	SV:		-		1	1		((7	REMARKS:					
Delivered By: (Circle One)		Observed Temp. *C	80	N	0 00	Sample Condition	lec	Condit	tion	-	0	E E	ECKED (Initials)	BY:	Turnaround Time:	fime:		Standard		Bacteria (only) Sample Condition
Sampler - UPS - Bu	Bus - Other:	Corracted Tamp. "C 0,2	0	2		Ves 4	No No	Yes No	No	-		\triangleleft	0		Thermometer ID Correction Factor	D #113	0			Ves Yes No No 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 aboratories (575) 393-2326 FAX (575) 393-2476

Common Mana								
Ensolum, LLC			BILL T	70			ANALYSIS REQUEST	
Project Manager: BCEUX	coning 5		P.O. #:		-	_		
Address: 601 N. Marienfeld St. STE 400	E 400		Company: Oxy USA,	A, Inc.		_		
City: Midland	State: TX	Zip: 79701	Attn: Wade Dittrich	2		_		_
Phone #: 210 219 8858	Fax #:		Address:		_			-
Project #: 038 1417 056	Project Owner:	r OXY	City:		_			
Project Name: Federal 10	140		State: Zip:		-	0		
Project Location: Edd Co	MM		*	-2828	4	50		
Sampler Name: Shane D.	lles		Fax #:		21	4		
FOR LAB USE ONLY		MATRIX	PRESERV. S.	SAMPLING	213	5		
Lab I.D. Sample I.D.	Sample Depth (feet)	G)RAB OR (C)OMP CONTAINERS GROUNDWATER VASTEWATER COIL DIL CLUDGE	OTHER : CID/BASE: DE / COOL DTHER :		TPH 80 BIEX 0	Chlorite		
41 5-41	025	X 1	×	5401	X	<		T
12 1-5-45	025	C - X	X 10-20-2	2 10 11 2	K	X		
43 1=5-43	025	C 1 X	22-02-01 N	1040	x	K		
hh-5-1 hh	0-,25	C / X	× 10-20-22	EE 01 22	ĸ	X		
5h-5-12	025	C - X	× 10-20-22	\$601	x	×		
46 36-1	0-25	CIK	K 10-20-22	0411 22	x	ĸ		
1	0-25	R - K	× 10-20-22	1145	X	5		
18 36-3	0-25	C X	K 10-20-22	22 1155	K	C K		
4 136-4	52'-0	X I X	× 10.20-22	1150	x	×		
VI FASE NOTE: I lability and Damagne Chardinal's liability and	The Providence of the second second	- M	AE 10202	N	+			
r_c_sec work is: Labelity and parages. Canonal's labelity and clerit'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 whateover shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal Cardinal be including to consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and any other cause whateover shall be deemed waived unless interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the service.	client's exclusive remedy for an er cause whatsoever shall be d sequental damages, including	y claim arising whether based in contract (eemed waived unless made in writing and without limitation, business interruptions, Ic without limitation.	or fort, shall be limited to the amount I received by Cardinal within 30 days oss of use, or loss of profits incurred	I paid by the client for the after completion of the ap by client, its subsidiaries.	plicable			- [
Relinquished By:	Date: 70.72	Received/By:	s based upon any of the above state	Verbal Result:	t: 0 Y		Add'l Phone #:	
She full	Time: 3/8 0	An wantuf	A ANIC	All Results are emailed. BJennings@ensolum.c	Densolum		Please provide Email address: om	-
Relinquished By:	Date:	Received By:	- all	REMARKS:				

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

Observed Tamp, "C

80

CHECKED BY: (Initials) 9

Turnaround Time:

Rush Standard

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

Corrected Temp, °C Observed Temp. °C

Correction Factor -0.5°C

Time:

Corrected Tamp. *C 0,2

Cool Intact Yes Yes No No No Sample Condition

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

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D

RD

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December 09, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 12/02/22 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 2 4' (H225674-01)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	1.96	98.1	2.00	10.1	
Toluene*	<0.050	0.050	12/08/2022	ND	1.99	99.3	2.00	8.15	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	1.99	99.7	2.00	7.66	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.04	101	6.00	7.07	
Total BTEX	<0.300	0.300	12/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	12/08/2022	ND	432	108	400	3.64	QM-07
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	83.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.4	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/30/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 3 0.5' (H225674-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	88.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 9	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 4 4' (H225674-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	109 % 69.9-140							
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	84.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.0	% 46.3-17	8						

Cardinal Laboratories

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Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 5 4' (H225674-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 % 69.9-140		0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	80.7	45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.2	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/30/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 6 4' (H225674-05)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	88.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.4	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/30/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 7 0.5' (H225674-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
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	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	84.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.9	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/30/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 8 0.5' (H225674-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	85.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 11 4' (H225674-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	87.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.0	% 46.3-17	0						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

Sample ID: FS - 13 4' (H225674-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8200	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	84.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.0	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/30/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 14 0.5' (H225674-10)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	88.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	100 9	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/30/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 15 0.5' (H225674-11)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	93.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106 9	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/29/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 16 4' (H225674-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	199	99.7	200	0.385	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	86.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.4	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/29/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 17 4' (H225674-13)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5000	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	85.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.9	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/29/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 18 6' (H225674-14)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	86.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.6	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/28/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 19 1' (H225674-15)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
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	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	82.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.5	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/28/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 20 1' (H225674-16)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	91.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.1	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/28/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 21 1' (H225674-17)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
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	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	89.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.0	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/28/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 25 2' (H225674-18)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 69.9-14	0						
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	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	87.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.0	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/28/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 34 1' (H225674-19)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 69.9-14	0						
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	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	89.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	85.9	% 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	11/28/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 43 1' (H225674-20)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 69.9-14	0						
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	12/08/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	94.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.1	% 46.3-17	8						

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		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: SW - 1 4' (H225674-21)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.16	108	2.00	7.83	
Toluene*	<0.050	0.050	12/09/2022	ND	2.21	111	2.00	10.7	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	11.4	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	12/08/2022	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	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	85.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.2	% 46.3-17	8						

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Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: SW - 2 4' (H225674-22)

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	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	12/08/2022	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	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	90.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.6	% 46.3-17	8						

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Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: SW - 3 1' (H225674-23)

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	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	12/08/2022	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	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	81.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.4	% 46.3-17	8						

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Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: SW - 4 1' (H225674-24)

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	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 69.9-14	0						
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	12/08/2022	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	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	82.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	78.4	% 46.3-17	8						

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Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: SW - 5 1' (H225674-25)

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	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	12/08/2022	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	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	88.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.1	% 46.3-17	8						

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Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: SW - 6 4' (H225674-26)

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	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	12/08/2022	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	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	81.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.2	% 46.3-17	8						

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Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: SW - 7 4' (H225674-27)

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	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	12/08/2022	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	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	86.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.7	% 46.3-17	8						

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Received:	12/02/2022		Sampling Date:	12/01/2022
Reported:	12/09/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: SW - 8 4' (H225674-28)

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	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/08/2022	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	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					
Surrogate: 1-Chlorooctane	80.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	79.6	% 46.3-17	8						

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Mike Snyder For 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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Labora	atories			CHAIN-OF-CUSTOD	STODY AND ANALYSIS REQUEST
101 East Marlan (575) 393-2326	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476				
Company Name: Ensolum. LLC			BILL TO		ANAI VSIS DEDIJEST
Project Manager: Bcaux o	ennings		P.O. #:		- 14
in	TE 400 0		Company: Oxy USA,	, Inc.	
City: Midland	State: TX Zip:	79701	5		
Phone #: (210) 219-8858	Fax #:		Address:	>	
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YLCANCE NOT FE: Labelity and Demogen. Cardinally and analyses. All claims including those for negligence and any of tenrice. In no event shall Cardinal be liable for incidental or co- tenrice. In notice and an analysis of or related to the perform affiliates or successes anishing out of or related to the perform.	I clent's exclusive remody for any claim ar her cause whatboever shall be deemed with ree-quental damages, including without fir note of services because to Caution and	sing whether based in co lived unless made in write station, business interrupt	rt, shall be limited to the amount sived by Cardinal within 30 days if use, or loss of profits incurred .	te client for the pieton of the applicable to autoidiaries,	
AMAB C	22	Received By:	W. V.	Verbai Result: Verbai Results are emailed. Please pro	No Add'I Phone #: Please provide Email address:
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrector Tamp. "C 6.4	Sample Condition Cool Intact Ves Ves	CHECKED BY:	Turnaround Time: Standard Rush Thermometer ID #113	Bacteria (only) S Cool Intact
1 UKM-UUD K 3.2 10/07/21	Con Jesse L venderated			Correction raster -C.2 C	I No No Corrected Temp. "C

Received by OCD: 11/10/2023 12:00:29 AM

Re REASE NOTE: Liability and Demagora. Cardina's liability and client's exclusive inmody for any claim analog whether based in contract or too analyses. All claims including those for negligance and any other cause whatboever shall be deemed weived unless made in witing and recel analyses. All claims including those for negligance and any other cause whatboever shall be deemed weived unless made in witing and recel Relinguished By Sampler - UPS - Bus - Other: 19999 City: Sampler Name: Phone #: (210) 219-8888 Fax #: Project Manager: Delivered By: (Circle One) LEASE NOTE: LA Project Location: Eddy Project Name: project #: 03B14170SC Address: Company Name: FOR LAB USE ONLY Ace. In no event shall Car Lab I.D. pquished By 2 5 t Midland 601 N. Marienfeld St. STE 400 000 K 3.2 10/077 F8-17 F8-18 F8-18 Federal 10 #1 FS-43 101 East Marland, Hobbs, NM 88240 F9-34 FS-25 FS-20 FS-16 F9-21 Selly FS-15 Braux Tennings Sample I.D. 575) 393-2326 FAX (575) 393-2476 Cardinal's liability (ed to the pe 200 0 Benoil County Observed Tamp. Corrected Tomp. Project Owner: 12-2-22 Time: 1535 Sample Depth (feet) vental damages, including without limitation, business into Time: Date: + State: 0.5 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com 4 1 н P-5 4 4 inder by Ca VIN オ ô å 5.8 6 SOODOOOO (G)RAB OR (C)OMP. Zip: Received By: Received By: Oxy 4 # CONTAINERS 79701 GROUNDWATER Cool Intact Sample Condition WASTEWATER XXX MATRIX XX \times SOIL ter such claim is base OIL SLUDGE losa of use, or losa of pro OTHER City: P.O. #: Fax #: State: Phone #: Attn: Wade Dittrich Address: Company: wed by Cardinal ACID/BASE: PRESERV. CHECKED BY: ICE / COOL ON DUE IN ALL O (Initials) OTHER : BILL TO Oxy USA, Inc. 575-390-2828 within 30 days after com 14/28/22 1455 14/28/22 11.20 11/28/22 12 15 14/28/22 1235 14/28/22 1230 11/29/22 1113 4/29/22 1120 11/29/22 1420 Zip: 14/28/22 1815 14/30/22 15:22 DATE SAMPLING id by client, its subsidiaries completion of the sp Verbal Result: Turnaround Time: **REMARKS:** TIME BJennings@ensolum.com rmometer ID X 801Sm Noable Section #113 -0.5°C BTE 80216 Standard 4500 oridos ANALYSIS Cool Intact Bacteria (only) REQUEST Sample Condition Observed Temp. Corrected Temp, *C ů

Received by OCD: 11/10/2023 12:00:29 AM

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Commer: Oxy PO.8: 11X Zip: 79701 Addresse: 12 Company: Oxy USA. Inc. 12 State: Zip: 12 State: Zip: 12 State: Zip: 14 Phone #: 575-390-2828 Pax #: Preserv: State: 12 State: Zip: 14 Phone #: 575-390-2828 Pax #: Preserv: State: 15 Preserv: State: 16 Phone #: 575-390-2828 17 Preserv: State: 17 Preser		Th	feld St. STE 40		8288-41		40	-		ľ	0		F	2		4		5	th a	00	ľ		13	4			0	
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December 13, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 12/07/22 15:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	12/07/2022		Sampling Date:	12/07/2022
Reported:	12/13/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 9 4' (H225762-01)

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	12/11/2022	ND	2.07	103	2.00	10.6	
Toluene*	<0.050	0.050	12/11/2022	ND	2.10	105	2.00	11.1	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.09	104	2.00	10.3	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.40	107	6.00	8.89	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	12/09/2022	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	12/09/2022	ND	179	89.4	200	28.3	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	29.9	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	89.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.7	% 46.3-17	0						

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:	12/07/2022		Sampling Date:	12/07/2022
Reported:	12/13/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: FS - 10 4' (H225762-02)

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	12/11/2022	ND	2.07	103	2.00	10.6	
Toluene*	<0.050	0.050	12/11/2022	ND	2.10	105	2.00	11.1	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.09	104	2.00	10.3	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.40	107	6.00	8.89	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	12/09/2022	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	12/09/2022	ND	179	89.4	200	28.3	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	29.9	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	99.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 46.3-17	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:	12/07/2022		Sampling Date:	12/07/2022
Reported:	12/13/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	Μ		

Sample ID: SW - 9 4' (H225762-03)

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	12/11/2022	ND	2.07	103	2.00	10.6	
Toluene*	<0.050	0.050	12/11/2022	ND	2.10	105	2.00	11.1	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.09	104	2.00	10.3	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.40	107	6.00	8.89	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	12/09/2022	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	12/09/2022	ND	179	89.4	200	28.3	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	29.9	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 46.3-17	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:	12/07/2022		Sampling Date:	12/07/2022
Reported:	12/13/2022		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NI	М		

Sample ID: SW - 10 4' (H225762-04)

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	12/11/2022	ND	2.07	103	2.00	10.6	
Toluene*	<0.050	0.050	12/11/2022	ND	2.10	105	2.00	11.1	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.09	104	2.00	10.3	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.40	107	6.00	8.89	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	12/09/2022	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	12/09/2022	ND	179	89.4	200	28.3	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	29.9	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	88.1 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.19	46.3-17	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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 SM4500CI-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

PLEASE NOTE: Lability and Demages. Cardnai's lability and dents exclusive remedy for any unaivees. All claims including those for negligence and any other cause whatever what be dee unaivees. All claims including those for heads for incidential or consequential damages, including wi	NFE	Sample SM-9 SW-10	Project Manager: Ensolum, LLC Address: 601 N. Marienfeld St. STE 400 Address: Midland St. STE 400 Phone #: (210) 219 - 8858 Fax #: Project #: (03B1417056 Project Owner: Project Name: Federal 10 #1 Project Name: Federal 10 #1 Sampler Name: Kylly Bervött	Laboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Arr by Cardinal, inguidess of whether such dails is based upon any of the source same 2.2 Received By: 8 Received By: •. *C 4, 7 Sample Condition CHECKED BY: (Initials)	Sam arang whether based in contract or fort, that is initial to the am mad whend unless make in writing and reserved by Cardinal within 30 of thout imbalien, business biompoloon, loss of use, or test of politis hour thout imbalien, business biompoloon, loss of use, or test of politis hour	CORDINATER CONTAINERS GROUNDWATER WASTEWATER WASTEWATER VASTEWATER OIL OIL OIL OIL OIL OIL OIL OIL	zip: 79701 P.O. #: Company: Oxy U: Oxy Address: Oxy City: State: Zip: Phone #: 575-39 Fax #: Fax #:	BILL TO
Verbal Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address: BJennings@ensolum.com REMARKS: REMARKS: Turnaround Time: Standard Bacteria (only) Sample Condition Turnaround Time: Rush Cool Intact Observed Temp. *C Themometer ID #113 Utet Yes No No Corrected Temp. *C	12 2 vont pad by the clerct for the lige after completion of the applicable red by clerct, the ubbeldineties, found reaces, the ubbeldinet	ATE TIME THE ATE THE SOLL AND ATE THE ATE TIME ATE THE ATE AND A ATE AND A ATE	m 5021b	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7



January 09, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 01/06/23 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	01/06/2023		Sampling Date:	01/06/2023
Reported:	01/09/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

Sample ID: FS - 2 6' (H230074-01)

Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	16.0	01/09/2023	ND	416	104	400	3.77	QM-07

Sample ID: FS - 4 6' (H230074-02)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22800	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: FS - 5 6' (H230074-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: FS - 6 6' (H230074-04)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18400	16.0	01/09/2023	ND	416	104	400	3.77	

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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:	01/06/2023		Sampling Date:	01/06/2023
Reported:	01/09/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM	1		

Sample ID: FS - 8 2.5' (H230074-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: FS - 9 6' (H230074-06)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	3600	16.0	01/09/2023	ND	416	104	400	3.77			

Sample ID: FS - 10 6' (H230074-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: FS - 11 6' (H230074-08)

Chloride, SM4500Cl-B	mg	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: FS - 13 6' (H230074-09)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	01/09/2023	ND	416	104	400	3.77	

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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:	01/06/2023		Sampling Date:	01/06/2023
Reported:	01/09/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

Sample ID: FS - 14 2.5' (H230074-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: FS - 16 6' (H230074-11)

Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: FS - 17 6' (H230074-12)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: FS - 18 6' (H230074-13)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: SW - 1 0-6' (H230074-14)

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	01/09/2023	ND	416	104	400	3.77	

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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:	01/06/2023		Sampling Date:	01/06/2023
Reported:	01/09/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

Sample ID: SW - 2 0-6' (H230074-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: SW - 3 0-3' (H230074-16)

Chloride, SM4500Cl-B	mg	kg Analyzed B		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: SW - 5 0-3' (H230074-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: SW - 6 0-6' (H230074-18)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: SW - 7 0-6' (H230074-19)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	01/09/2023	ND	416	104	400	3.77	

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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:	01/06/2023		Sampling Date:	01/06/2023
Reported:	01/09/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

Sample ID: SW - 9 0-6' (H230074-20)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	01/09/2023	ND	416	104	400	3.77	

Sample ID: SW - 10 0-6' (H230074-21)

Chloride, SM4500Cl-B	mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	01/09/2023	ND	448	112	400	0.00	

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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

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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 share there applied by the services arise 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

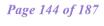
Celey D. Keene, Lab Director/Quality Manager

ANALYSIS REQUEST Inc. Inc.

Page 143 of 187

Page 8 of 10

Sampler - UPS - Bus - Ott	condension of	Relingeished By:	Relinquished By:	enviroyees, wi claims including those envice, in no event shall Cardinal siftilates or successors arising out o	PLEASE NOTE: Liability and Dar	11	10	11	16	15	14	CI	10	11	Lab I.D. H23007H	The set of the	FOR LABUSE DAILY	Project Location:	Project Name:	Project #: 0	Phone #: へ入.	City: Midland	ess:	lan	Company Name:		
her:		1 All	1-1	Those for negligence and any other cause whatsoever shall be deems final be liable for incidental or consequental damages, including witho out of or related to the networkson of the sector of the se	amages. Cardinal's liability and die	S.W-1	SW-6	1	15	SW-2	SW-1	12-18	10-11	1.1			SHAME DI	KOd3	FEDERAL 1	0381417056	× 20) 229-8858 Fax #:	1	601 N. Marienfeld St. STE 400	DEAUX		101 East Marland, (575) 393-2326	-ARD
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Image: Cool Sample Condition CHECKED BY: Turnaround Time: Standard Ba Image: Cool Infact (Initials) Infact Initials) Rush Cool Cool Cool Cool Infact (Initials) Informometarib Rush Cool Cool <td>Received By:</td> <td>Bullata</td> <td>Received By:</td> <td>med waived unless made in writing and received by Cardinal which 30 days after completion for the app hour limitation, business interruptions, loss of use, or loss of profits incurred by client, to subsidiaries</td> <td>Anthing whether based in contract as tool as the set of the set of</td> <td>X</td> <td>XT</td> <td>XT</td> <td>XT</td> <td>1 X</td> <td>XX</td> <td>XT</td> <td>1 ×</td> <td>1 X</td> <td># CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE</td> <td>MATRIX</td> <td>Be</td> <td>2</td> <td></td> <td>XXC</td> <td></td> <td>p: 79701</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Received By:	Bullata	Received By:	med waived unless made in writing and received by Cardinal which 30 days after completion for the app hour limitation, business interruptions, loss of use, or loss of profits incurred by client, to subsidiaries	Anthing whether based in contract as tool as the set of	X	XT	XT	XT	1 X	XX	XT	1 ×	1 X	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	MATRIX	Be	2		XXC		p: 79701					
(Initials)	2	White the	is based upon any of the above stated	e in writing and received by Cardinal within 30 days after completion of interruptions, loss of use, or loss of profits incurred by client, its subsidi- interruptions.	1415	X 1/6/2	X 1/2/2	X 4/2/2	X X	XUU	X JILL X	X 1/2	X 1/4/2	X 46/2	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	PRESERV. S	Fax #:	*	State: Zip:	City:	6 1	8	Company: Oxy USA,	P.O. #:	BILL TO		
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Page 9 of 10

Released to Imaging: 11/16/2023 1:45:47 PM

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinduished Bý:	all	No a	a. 8					Ma	OT NO 10	AL-10	Lab I.D. Sample I.D.	FOR LAB USE ONLY	Sampler Name: SHANE D.	Project Location: ESDDY	Project Name: FEDERAL	Project #: 03B14170SC	Phone #: (210)219-8858	City: Midland	Address: 601 N. Marienfeld St. STE 400	Project Manager: BEAUX		101 East Marland (575) 393-2326	Labor
Corrested Tamp. *C 8.1 Sample Condition Corrested Tamp. *C 7.5 Qves 2 Yes	Date: Received By:	SEA	nsequental damages, nce of services hereur	ity and clent's exclusive ramedy for any clam ansing whether based in contract or loct, shall be limited to the an any other cause whathoever shall be deamed waked unless made in writing and received by Cardosi within 20.						A T A		G)RAB OR (C)OMP CONTAINERS SROUNDWATER VASTEWATER SOIL	MATRIX	STUER + HELLY BENOTT	COUNTY, NM	10#1 [SG Project Owner: Oxy	Fax #:	State: TX Zip: 79701	STE 400	JENNINGS		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	oratories
CHECKED BY: (Initials)	J	1 Malter	stone, lose of use, or lose of profile incurred by client, is achieved to be a state of the stock of the shore stated reasons or otherwise.	łğ		Tat I				X 4/23	S O A IC O	CID/BASE: CID/BASE: CE / COOL DTHER :	IX PRESERV. SAMPLING	1	*: 5	State: Zip:	City:	Address:	8	Company: Oxy USA, I	P.O. #:	BILL TO		
Turnaround Time: Standard Rush Corrector Faster -0,6°C	REMARKS:	All Results are emailed. Please provi BJennings@ensolum.com		and by the client for the		025	CCW			1300 X	IIME	CHIORI		88		150	00	7		Inc.	_			CHAIN-OF-CUSTODY
Bacteria (only) Sample Condition Cool Intact Observed Temp. *C		. Please provide Email address: .com			/																	ANALYSIS REQUEST		USTODY AND ANALYSIS REQUEST

Received by OCD: 11/10/2023 12:00:29 AM

Released to Imaging: 11/16/2023 1:45:47 PM

Page 10 of 10

Page 145 of 187



February 07, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 02/06/23 13:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	02/06/2023		Sampling Date:	02/02/2023
Reported:	02/07/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 2 8' (H230504-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/06/2023	ND	416	104	400	3.92	

Sample ID: FS - 4 8' (H230504-02)

Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	02/06/2023	ND	416	104	400	3.92	

Sample ID: FS - 6 8' (H230504-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15000	16.0	02/06/2023	ND	416	104	400	3.92	

Sample ID: FS - 8 8' (H230504-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	02/06/2023	ND	416	104	400	3.92	

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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:	02/06/2023		Sampling Date:	02/06/2023
Reported:	02/07/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., N	М		

Sample ID: FS - 9 8' (H230504-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	02/06/2023	ND	416	104	400	3.92	

Sample ID: FS - 10 8' (H230504-06)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	02/06/2023	ND	416	104	400	3.92	

Sample ID: FS - 11 8' (H230504-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/06/2023	ND	416	104	400	3.92	

Sample ID: FS - 13 8' (H230504-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/06/2023	ND	416	104	400	3.92	

Sample ID: FS - 16 8' (H230504-09)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/07/2023	ND	400	100	400	3.92	

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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:	02/06/2023		Sampling Date:	02/06/2023
Reported:	02/07/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM	1		

Sample ID: FS - 17 8' (H230504-10)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	02/07/2023	ND	400	100	400	3.92	

Sample ID: FS - 18 (H230504-11)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1560	16.0	02/07/2023	ND	400	100	400	3.92	

Sample ID: SW - 2 (H230504-12)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/07/2023	ND	400	100	400	3.92	

Sample ID: SW - 3 (H230504-13)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/07/2023	ND	400	100	400	3.92	

Sample ID: SW - 5 (H230504-14)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	02/07/2023	ND	400	100	400	3.92	

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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:	02/06/2023		Sampling Date:	02/06/2023
Reported:	02/07/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM	1		

Sample ID: SW - 6 (H230504-15)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	02/07/2023	ND	400	100	400	3.92	

Sample ID: SW - 7 (H230504-16)

Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	02/07/2023	ND	400	100	400	3.92	

Sample ID: SW - 8 (H230504-17)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	02/07/2023	ND	400	100	400	3.92	

Sample ID: SW - 9 (H230504-18)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	02/07/2023	ND	400	100	400	3.92	

Sample ID: SW - 10 (H230504-19)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	02/07/2023	ND	400	100	400	3.92	

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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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Ensolum, LLC Project Manager: Beaux Jennings	BILL TO	ANALYSIS REQUEST
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Ensolum, LLC Project Manager: Beaux Jennings		
Company Name: Ensolum, LLC Project Manager: Beaux Jennings		
Project Manager: Beaux Jennings	1	
	7.0. 表	
Address: 601 N Marienfeld Street, Suite 400	Company: Oxy USA Inc.	
City: Midland State: TX Zip: 79701	Attn: Wade Dittrich	
-219-8858 Fax #:		
Project #: 63 13 14 1705 Project Owner: OXX	City:	6
10	: Zip:	
ă	#: 575-390-2828	
Sampler Name: Share D. 1/er	Fax #:	
	PRESERV SAMPLING	
Lab I.D. Sample I.D. (feet) Depth Containers DUNDWATER STEWATER	IER : D/BASE: / COOL	
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Damages. Cardinal's liability and client's exclusive rem those for negligence and any other cause whatsoever final be liable for incidental or consequental damages.	edy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the shall be deemed waived unless made in writing and roceived by Cardinal within 30 days after completion of the applicable inducting without limitation, business interruptions, loss of use, or loss of profits inoured by client, its subsidiaries,	ble .
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Page 7 of 8

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		-	+			Company:	400	Swite	ld street,	N Marienfc	Address: (00 W
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IALYSIS REQUEST	JSTODY AND ANAL		I-OF-	CHAIN-OF-C				N I	atories	abor	
									DINA	シスト	

Page 8 of 8



March 29, 2023

BEAUX JENNINGS ENSOLUM, LLC 705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 03/27/23 14:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	03/27/2023		Sampling Date:	03/27/2023
Reported:	03/29/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

Sample ID: FS - 4 12' (H231384-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: FS - 5 12' (H231384-02)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: FS - 6 12' (H231384-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7920	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: FS - 8 12' (H231384-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	03/28/2023	ND	416	104	400	3.77	

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:	03/27/2023		Sampling Date:	03/27/2023
Reported:	03/29/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	M		

Sample ID: FS - 9 12' (H231384-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8480	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: FS - 10 12' (H231384-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: FS - 17 12' (H231384-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: FS - 18 12' (H231384-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: SW - 3 0-8' (H231384-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/28/2023	ND	416	104	400	3.77	

Cardinal Laboratories

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	03/27/2023		Sampling Date:	03/27/2023
Reported:	03/29/2023		Sampling Type:	Soil
Project Name:	FEDERAL 10 #1		Sampling Condition:	Cool & Intact
Project Number:	03B1417056		Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., N	Μ		

Sample ID: SW - 5 0-8' (H231384-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14900	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: SW - 6 0-8' (H231384-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8600	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: SW - 7 0-8' (H231384-12)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	42000	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: SW - 9 0-8' (H231384-13)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	03/28/2023	ND	416	104	400	3.77	

Sample ID: SW - 10 0-8' (H231384-14)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	49600	16.0	03/28/2023	ND	416	104	400	3.77	

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Celey 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

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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 share there applied by the services arise 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

U orator IPS S

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 6 10F2

101 East Marland, Hobbs, NM 88240

Project Manager:	Ensolum, LLC Beaux Jennings			P.O. #:		BILL TO			ANALYSIS REG	REQUEST
Address: 601 N.	601 N. Marienfeld St. STE	400		Cor	Company:	Oxy USA,	Inc.			
City: Midland		State: TX	Zip:	79701 Attn:		Wade Dittrich				
Phone #: 210-219-8858	9-8858	Fax #:		Ado	Address:			_		
	0381417056	Project Owner:		City:	'n					
Project Name: Federa	ederal 10 #	2		State:	te:	Zip:	0			
Project Location: 32 .	32185	2, -104.080415	0		Phone #:	575-390-2828				
Sampler Name:	20 33	nith			*		1/2			
			P.	MATRIX	PRESERV.		SAMPLING			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL	OTHER : DATE	THE Chloride			
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4	FS-8	12'	0	X	×	3-27-23				
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6	F-5-10	12	0	(×)	ア	3-27-23	1636 X			
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PLEASE NOTE: Liability and Dan analyses. All claims including tho service. In no event shall Cardinal	hamages. Cardinal's liability and c hose for negligence and any othe nal be liable for incidental or cont	ges. Cardinal's liability and client's enclusive remedy for any claim for negligence and any other cause whatsoever shall be deemed a liable for incidental or consequental damages, including without a liable for incidental or consequental damages.	y claim a eemed w without it	PLEASE NOTE: Lability 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 whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, as subsidiaries,	shall be lim ed by Cardi use, or loss	ited to the amount pa nal within 30 days aft of profils incurred by	unt paid by the client for the ys after completion of the applic ed by client, its subsidiaries,	able		
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Rélinquished By:			Rec	Received By:	44	J	REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Ot	hero	bserved Temp. orrected Temp	0.0°.	Sample Condition Cool / Intact Yes Yes	8 CH	(Initials)	Turnaround Time: Thermometer ID #1 Corression Factor -0	ne: Standard Rush #113		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes

U oratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

400 Compa State: TX Zip: 79701 Attn: Fax #: Project Owner: City: City: Project Owner: State: State: Phone -104.080415 Phone Phone State: -104.080415 Fax #: Phone Phone -104.080415 Fax #: Phone External	Sample I.D. (feet) (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME	ertre × × ×	- * *	I K X D-Ctrus	· · · · · · · · · · · · · · · · · · ·				Sw(10) C-S (1) C-S	and Damages. Cardinally and cleft's exclusive remedy for any clement valued unless made in contract or tart, shall be imited to the amount pade by the clerit and phose for negligence and any other cause whatboever shall be deemed valued unless made in contract or tart, shall be imited to the amount pade by the clerit and phose for negligence and any other cause whatboever shall be deemed valued unless made in writing and received by Cardinal within 30 days after completion or cardinal be listed to the performance of services herwunder by Cardinal, regardless of whether such claim is based upon any of the above stated reagons or other and or of a related to the performance of services herwunder by Cardinal, regardless of whether such claim is based upon any of the above stated reagons or other and or other and the performance of services herwunder by Cardinal, regardless of whether such claim is based upon any of the above stated reagons or other and or other and the performance of services herwunder by Cardinal, regardless of whether such claim is based upon any of the above stated reagons or other above stated reagons or other and the performance of services herwunder by Cardinal, regardless of whether such claim is based upon any of the above stated reagons or other above s	Arrow of the answer remedy for any claim a range whether based in contract or fort, shall be limited to the amount paid any other cause whatsoever shall be deemed valued unless made in writing and received by Cardinal within 30 days after a consequential damages, including without limited to theirs inderruptions, loss of use, or loss of profils incurred by the after upon any of the above stated re- tormance of services here whether the activity of the above stated re- tormance of services here whether the above stated re- tormance of services here whether the activity of the above stated re- tormance of services here whether the above stated re- tormance of services here whether the activity of the above stated re- tormance of services here whether the above stated re- tormance of services here whether the activity of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the above stated re- tormance of services here whether the service of the service state of the service state of the service state of the service state of the service of the service state of the service state of the service stat	H Switch Or 8 If it is a straight of the sector is a strai
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										Add'I Phone #:	1130 × 1130 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1132 × 1133 × 1133 × 1134 × 1134 × 1134 × 1134 × 1134 × 1134 × 1134 × 1134 × 1134 × 1134 × 1134 × 1134 × 1134 × <td< td=""><td>"I Phone #: mail address:</td></td<>	"I Phone #: mail address:

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



May 25, 2023

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

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 05/24/23 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FEDERAL 10 #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417056 (32.321852-104.080415)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 5 14' (H232640-01)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	05/24/2023	ND	432	108	400	3.77	

Sample ID: SW - 5 0-8' (H232640-02)

Chloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	05/24/2023	ND	432	108	400	3.77	

Sample ID: SW - 7 0-8' (H232640-03)

Chloride, SM4500Cl-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	05/24/2023	ND	432	108	400	3.77	

Sample ID: SW - 10 0-8' (H232640-04)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21600	16.0	05/24/2023	ND	432	108	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

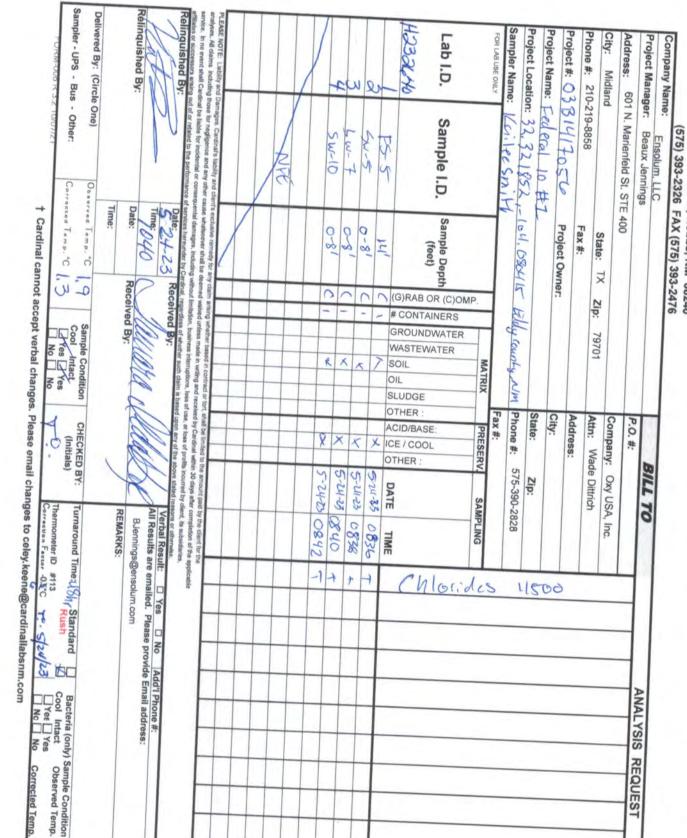
Cardinal Laboratories

*=Accredited Analyte

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 share there applied by the services arise 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



Received by OCD: 11/10/2023 12:00:29 AM

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ARDINAL

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

REQUEST

Page 4 of 4

Released to Imaging: 11/16/2023 1:45:47 PM

Corrected Temp, °C Observed Temp. °C



June 15, 2023

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

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	FEDERAL 10 #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417056 (32.321852-104.08041!	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SW - 5 0-8' (H233060-01)

Chloride, SM4500Cl-B mg/kg		/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	06/14/2023	ND	416	104	400	7.41	

Sample ID: SW - 7 0-8' (H233060-02)

Chloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	06/14/2023	ND	416	104	400	7.41	

Sample ID: SW - 10 0-8' (H233060-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	06/14/2023	ND	416	104	400	7.41	

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

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 share there applied by the services arise 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

Company Name:		Encolum 110		BILL TO		ANALYSIS REQUEST
	Beaux Jennings			P.O. #:		
Address: 601 N. Ma	601 N. Marienfeld St. STE 400	00		Company: Oxy USA, In	Inc.	
City: Midland		State: TX ;	Zip: 79701	Attn: Wade Dittrich		
Phone #: 210-219-8858	858	Fax #:		Address:		
Project #: 03 8141705	osoti	Project Owner:		City:		
Project Name: Ted	lenal 10#1			State: Zip:	3	
sice	32/85 7104	214980		Phone #: 575-390-2828		
Sampler Name:	Tre Smi	ita		Fax #:	15	
FOR LAB USE ONLY			MATRIX	PRESERV. SAMP	SAMPLING	
Lab I.D. S	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	Chloside	
and con	5115	18-0		X	CAR X	
0	L m	1	C 一 人	× 6-14-23	1140 -	
CU1	Sw-10	0-81	C1 1	+ 6-4-3	1156 ×	
		NICO				
		15				
PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive term analyses. All claims including those for negligence and any other cause whatoever service is no event shall Cardinal be liable for incidential or consequential damages.	eges. Cardinal's liability and clie for negligence and any other one se liable for incidental or conset	nt's exclusive remedy for any claim ause whatsoever shall be deemed quental damages, including without	y claim arising whether based in contrat eemed waived unless made in writing a without limitation, business interruptions	PLEASE NOTE: Lability and Damages. Cardinal's lability and clerif's exclusive remedy for any claim arising whether based in covinant or tort, shall be limited to the amount pad by the clerif's exclusive remedy for any claim arising whether based in covinant or tort, shall be limited to the amount pad by the clerif's exclusive remedy for any claim arising whether based in covinant or tort, shall be limited to the amount pad by the clerif's exclusive remedy for any claim arising whether based in covinant or tort, shall be limited to the ampleton of the applicable analyses. All claims including those for negligence and any other curve evaluation without finited on the amount of the applicable analyses. All claims including these limited by clarifinal within 30 days after completion of the applicable analyses. In or event shall Cardinal within 30 days after completion of the applicable applicable and any claim is subsidiarities, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, and the applicable and an analyses.	id by the client for the er completion of the applicable client, its subsidiaries,	
Relinquished By:	f or related to the performance	Date: 14-23	Received By:		All Results are emailed. Please provide Email address:) Add'I Phone #: rovide Email address:
Kinn &	- Jaco	Time:400	anal a	Allat Se	B.Jennings@ensolum.com	
Relinquished By:	N.	Date: Time:	Received By:	C. C	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other	her:	Observed Temp. "C Corrected Temp. "C	1.1 Sample Condition	Ves CHECKED BY: (Initials)	Turnaround Time:24 W Standard Rush Thermometer ID #113 Correction Factor -0.5°C	d Bacteria (only) Sample Condition 24 Cool Intact Observed Temp. °C 24 Vec Yes 24 No No Corrected Temp. °C

CARDINAL Laboratories

Page 4 of 4

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



June 21, 2023

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

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 14:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	FEDERAL 10 #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417056 (32.32185-104.080415)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SW - 7 0-8' (H233195-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	06/21/2023	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

aboratories

Time:	Received By:	being and client's exclusive remedy for any claim araing whether based in contract prior, shall be limited to the amount paid by the client for the of any other cause whateoever shall be deemed waived unless made in writing and received by Cardani within 30 days after completion of the applicable and or consequential damages, including writing immoders, based immoders, loss of profits insured by client, its subsidiarities, have been any second and the constrained of the second		1 Sm-7 9-8, C1 × 1 × 1-ms 1	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	MATRIX PRESERV. SAMPLING	n: Fax#:	575-390-2828	1	e #: 210-219-8858 Fax #: Address:	City: Midland State: TX Zip: 79701 Attn: Wade Dittrich	Address: 601 N. Marienfeld St. STE 400 Company: Oxy USA, Inc.	S P.O. #:		(575) 393-2326 FAX (575) 393-2476	ANA Gast Mariana Honne NM AAZAU
CHECKED BY: Turnaround Time: 24 Standard LI Bactena (only) sample convincent from Rush DA Cool Intact Observed Temp. °C	ult: □ Yes □ No Add1 P are emailed. Please provide Ema s@ensolum.com	pplicable		-	TIME							₽		O ANALYSIS REQUEST		

Page 4 of 4

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



October 16, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 10 #1

Enclosed are the results of analyses for samples received by the laboratory on 10/11/23 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	10/11/2023	Sampling Date:	10/11/2023
Reported:	10/16/2023	Sampling Type:	Soil
Project Name:	FEDERAL 10 #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417056 (32.32185-104.080415)	Sample Received By:	Dionica Hinojos
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 4 14' (H235554-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/12/2023	ND	448	112	400	3.64	

Sample ID: FS - 5 16' (H235554-02)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/12/2023	ND	448	112	400	3.64	

Sample ID: FS - 6 14' (H235554-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2023	ND	432	108	400	0.00	

Sample ID: FS - 8 14' (H235554-04)

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	10/12/2023	ND	432	108	400	0.00	

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:	10/11/2023	Sampling Date:	10/11/2023
Reported:	10/16/2023	Sampling Type:	Soil
Project Name:	FEDERAL 10 #1	Sampling Condition:	Cool & Intact
Project Number:	03B1417056 (32.32185-104.080415)	Sample Received By:	Dionica Hinojos
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 9 14' (H235554-05)

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	10/12/2023	ND	432	108	400	0.00	

Sample ID: FS - 10 14' (H235554-06)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2023	ND	432	108	400	0.00	

Sample ID: FS - 17 14' (H235554-07)

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	10/12/2023	ND	432	108	400	0.00	

Sample ID: SW - 5 0-10' (H235554-08)

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	10/12/2023	ND	432	108	400	0.00	

Sample ID: SW - 6 0-10' (H235554-09)

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	10/12/2023	ND	432	108	400	0.00	

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:	10/11/2023	Sampling Date:	10/11/2023
Reported:	10/16/2023	Sampling Type:	Soil
Project Name:	FEDERAL 10 #1	Sampling Condition:	Cool & Intact
Project Number: Project Location:	03B1417056 (32.32185-104.080415) OXY - EDDY CO., NM	Sample Received By:	Dionica Hinojos

Sample ID: SW - 7 0-10' (H235554-10)

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	10/12/2023	ND	432	108	400	0.00	

Sample ID: SW - 8 0-10' (H235554-11)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2023	ND	432	108	400	0.00	

Sample ID: SW - 9 0-10' (H235554-12)

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	10/12/2023	ND	432	108	400	0.00	

Sample ID: SW - 10 0-10' (H235554-13)

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	10/12/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Delivered By: (Circle One)	Relinquished By:	hill	affiliates or successors arising ou Relinquished BV:	PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remody (or any server and the writing and received by Cardinal within 30 days after completion or trae expose analyses. All claims including those for negligence and any other cause whatbower shall be deemed wilved unless mide in writing and received by Cardinal within 50 days after completion or trae expose analyses. All claims including those for negligence and any other cause whatbower shall be deemed wilved unless interruptions, loss of use, or loss of profits incurred by clause. It is sub- analyses. All claims including those for negligence and any other cause whatbower shall be deemed wilved unless interruptions, loss of use, or loss of profits incurred by clause. It is sub- analyses. All claims including those for negligence and any other cause whatbower shall be deemed wilved. In the shall be deemed with the shall be deemed	10	٥	0	26	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	14	: 0	11	- +	1235554	Lab I.D.	Sampler Nalle: N	Project Location.	Project Name: To	. 0	NICH NORIU	D	ā	Address: 601 N. Ma		Company Name: E	101 H	2 La
le One)	Y		at of or related to the performa	mages. Cardinal's liability and ose for negligence and any of a to liable for incidental or co	E-MS	SW-6		EL-17	+5-4	11	1	3-5		-	Sample I.D.	Proventino	I now point	Carr	1034	PARIA	858		601 N. Marienfeld St. STE 4	Beaux Jennings	Ensolum, LLC	East Marland, H	DOLA
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5.6%	Received By:	P	Cardinal, regardless of wheth Received By:	any classi shorty made deemed waived unless made g without limitation, business	C i X	C - A	() 	× - 2	-		0 1			- #	CONTAINERS ROUNDWATER WASTEWATER	MA						Zip: 79701				6 O	0
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APPENDIX F

C-141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Incident ID	nMAP1822260952
District RP	2RP-4910
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Oxy USA Inc.	OGRID: 16696	
Contact Name: Tyson Pierce	Contact Telephone: 575-390-3610	
Contact email: Tyson_pierce@oxy.com	Incident # nMAP1822260952	

Location of Release Source

Latitude 32.321852

Longitude -104.080415 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Federal 10 #1	Site Type: Poly Water Line	
Date Release Discovered: 08/08/2018	API# 30-015-26649	

Unit Letter	Section	Township	Range	County
E	10	228	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
Produced Water	Volume Released (bbls): 200	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: 3" poly water line failure.

e 2 Oil Conservation Division District RP 2RP-4910 Yes District RP Release is greater than 25 barrels. Precipity ID Was this a major Release is greater than 25 barrels. Release is greater than 25 barrels. Precipity ID With Standard Release is greater than 25 barrels. Release is greater than 25 barrels. Precipity ID Release is greater than 25 barrels. If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes _ by Wade Dittrich of Oxy via email to Mike Bratcher and Maria Pruett (NMOCD). Shelly Tucker (BLM) on 08/08/2018. If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes _ by Wade Dittrich of Oxy via email to Mike Bratcher and Maria Pruett (NMOCD). Shelly Tucker (BLM) on 08/08/2018. If the source of the release has been stopped. Released materials have been contained via the use of berns or dikes, absorbent pads, or other containment devices. All free liquids and recovertable materials have been removed and managed appropriately. If all the actions described above have not been undertaken, explain why: Pre 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a marrative of actions to date. If remediation for the order release due for dosonare evaluation. If a the actions described above have not beato materinde beator bit rowing and di	Diftial Response The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury Image: The source of the release has been stopped. Image: The impacted area has been secured to protect human health and the environment. Image: Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. Image: All free liquids and recoverable materials have been removed and managed appropriately. If all the actions described above have not been undertaken, explain why: Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediat has begun, places attach an anrative of actions to date. If remedial efforts have been successfully completed or if the release occurs within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. Interesponsible party may commence remediation immediately after discovery of a release. If remediat frequencing and perform corrective actions for release occurs within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. Interesponsible party may complete to the best of my knowledge and undestand 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 condarge public health for the environment. In addition, OCD acceptance of a C-141 report by the OCD does not relieve the operator of releases which may conduct performance andiffication acce	rm C-141	State of New Mexico		Incident ID	nMAP1822260952
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State of New Mexico **Oil Conservation Division**

Incident ID	nMAP1822260952
District RP	2RP-4910
Facility ID	
Application ID	

11/16/2023 1:45:47 PM

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	50-100 (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes 🗌 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data

- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs

Received

- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

The site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation **Released to Imaging:** Salan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141	State of New Mexico	Incident ID	nMAP1822260952
age 4	Oil Conservation Division	District RP	2RP-4910
		Facility ID	
()		Application ID	
public health or the enviro failed to adequately invest	Date:	not relieve the operator of liability s ndwater, surface water, human healt	hould their operations have h or the environment. In

Form C-141 State Oil Con

State of New Mexico Oil Conservation Division

Incident ID	nMAP1822260952
District RP	2RP-4910
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items	must be included in the plan.	
 Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineati 		
 Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19 Proposed schedule for remediation (note if remediation) 		approval is required)
Deferral Requests Only: Each of the following items mus	st be confirmed as part of any request for	r deferral of remediation.
Contamination must be in areas immediately under or a deconstruction.	round production equipment where remed	liation could cause a major facility
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to huma	an health, the environment, or groundwate	er.
rules and regulations all operators are required to report and which may endanger public health or the environment. The liability should their operations have failed to adequately in surface water, human health or the environment. In addition responsibility for compliance with any other federal, state, of Printed Name: Tyson Pierce	acceptance of a C-141 report by the OCI vestigate and remediate contamination tha a, OCD acceptance of a C-141 report does or local laws and/or regulations.	D does not relieve the operator of at pose a threat to groundwater,
	Title: <u>Environmental Advisor</u>	
Signature: email: <u>Tyson_pierce@oxy.com</u>	Date: Telephone: <u>575-390-3610</u>	
OCD Only		
Received by: <u>Shelly Wells</u>	Date: <u>11/13/2023</u>	
Approved Approved with Attached Condi	tions of Approval 🔲 Denied	Deferral Approved
Signature:	Date:	

orm e i fi	State of New Mexico		Incident ID	nMAP1822260952
Form C-141 Page 6	Oil Conservation Division		District RP	2RP-4910
			Facility ID	
			Application ID	
	Clo	osure		
the responsible party mu	st attach information demonstrating they ha	ve complied wit	h all applicable closure re	equirements and any conditi
	This demonstration should be in the form of o, sampling diagrams, relevant field notes, ph			
	its of final sampling, and a narrative of the r			
<u> </u>				
Closure Report Attach	ment Checklist: Each of the following iter	ms must be inclu	uded in the closure report	•
A scaled site and sar	npling diagram as described in 19.15.29.11	NMAC		
	remediated site prior to backfill or photos of	f the liner integr	ity if applicable (Note: ap	propriate OCD District offic
must be notified 2 days j	prior to inter inspection)			
Laboratory analyses	of final sampling (Note: appropriate ODC I	District office m	ust be notified 2 days prio	r to final sampling)
M Description f	diation estimation			n anna a chuirte à Stàite II.
Description of reme	diation activities			
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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	284420
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	[C-141] Release Corrective Action (C-141)
CONDITIONS	

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Action 284420

Condition Date 11/16/2023

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