



ENSOLUM

CLOSURE REPORT

Property:

Covington A Federal #003

Unit F, S25, T22S, R32E

32.364502° N, 103.629003° W

Lea County, New Mexico

API: 30-025-32445

NMOCD Incident ID: nAPP2417749308

December 13, 2024

Ensolum Project No. 03B1417206

Prepared for:

Oxy USA, Inc.

PO Box 4324

Houston, Texas 77210

Attn: Wade Dittrich

Prepared by:

Kelly Lowery, GIT
Project Geologist

Heather Holthaus
Senior Project Manager

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CLOSURE REPORT**Covington A Federal #003**

Unit F, S25, T22S, R32E
32.364502° N, 103.629003° W
Lea County, New Mexico
API: 30-025-32445
NMOCD Incident ID: nAPP2417749308

Ensolum Project No. 03B1417206

1.0 INTRODUCTION**1.1 Site Description and Background**

Operator:	Oxy USA, INC.
Site Name:	Covington A Federal #003
Location:	Unit F, Section 25, Township 22 South, Range 32 East American Petroleum Institute (API): 30-025-32445 32.364502° N, 103.629003° W Lea County, New Mexico
Property:	Federal land managed by the Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On June 17, 2024, Oxy had a release of produced oil at the Site due to a flow line leak. Approximately 6 barrels (bbls) of produced oil was released onto the ground surface on-pad with 0 bbls of produced oil recovered. Oxy subsequently reported the release to the New Mexico EMNRD OCD via a report through the online notice of release (NOR) form on June 25, 2024. The release was assigned Incident Number nAPP2417749308.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

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



Supporting documentation and figures associated with the following bullets are provided in **Appendix B**.

- No exploratory water wells were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database.
- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database, there are no private, domestic freshwater wells used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database, no freshwater wells have been identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to New Mexico Statute Annotated (NMSA) 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps, and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is not located within an unstable area, also referred to as low karst potential.
- The Site is not located within a 100-year floodplain.

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

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



3.0 SOIL REMEDIATION ACTIVITIES

On June 17, 2024, Oxy had a release of produced oil at the Site due to a flow line leak. Approximately 6 bbls of produced oil were released onto the ground surface on-pad with 0 bbls of produced oil recovered.

On October 15 and 16, 2024, subsequent to excavation activities, Ensolum arrived on-Site to collect 11 composite soil samples from the excavation floor (FS01 through FS11) at depths ranging from 3 to 4 feet below ground surface (bgs), and 3 composite soil samples from the excavation sidewalls (SW01 through SW03) at depths ranging from 0-3 and 0-4 feet bgs. Based on laboratory analytical data, no additional excavation and/or remediation was required.

The composite soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil/lube oil range organics (MRO), and chlorides in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release (≤ 50 feet) (NMOCD Closure Criteria).

The final excavation area measured approximately 47 feet long and 45 feet wide at the maximum extents, with a depth ranging from 3 to 4 feet bgs.

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

The excavation measured approximately 2,115 square feet in arial extent. A total of approximately 267 cubic yards (cy) of soil were excavated from the Site and hauled off for proper disposal at the Lea Land Facility located in Hobbs, New Mexico. After confirmation sampling was completed, the backfill of the excavation was completed utilizing material purchased locally from the Stacy Mills Pit (Mills Ranch Pit) and re-contoured to match pre-existing conditions.

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

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program on October 15 and 16, 2024, included the collection of a total of 11 composite soil samples from 11 locations from the excavation floor (FS01 through FS11) and 3 composite soil samples from 3 locations from the excavation sidewalls (SW01 through SW03). Additionally, one composite soil sample was collected from the backfill material used at the Site (Mills Ranch Pit) on September 30, 2024 prior to use at the Site.

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

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



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

6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH-GRO/DRO/MRO, and chloride concentrations to laboratory sample detection limits (SDLs) associated with the soils remaining in place at the Site to the applicable NMOCD Closure Criteria.

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

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

7.0 RECLAMATION AND RE-VEGETATION

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

8.0 FINDINGS AND RECOMMENDATION

- On June 17, 2024, Oxy had a release of produced oil at the Site due to a flow line leak. Approximately 6 bbls of produced oil were released onto the ground surface on-pad with 0 bbls of produced oil recovered. Oxy subsequently reported the release to the New Mexico EMNRD OCD via a report through the online NOR form on June 25, 2024.
- Ensolum's soil sampling program on October 15 and 16, 2024, included the collection of a total of 11 composite soil samples from 11 locations from the excavation floor (FS01 through FS11) and 3 composite soil samples from 3 locations from the excavation sidewalls (SW01 through SW03). Additionally, one composite soil sample was collected from the backfill material used at the Site (Mills Ranch Pit) on September 30, 2024 prior to use at the Site.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soil to be in compliance with applicable NMOCD Closure Criteria for Soils



Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 Releases as guidance.

- The final excavation area measured approximately 47 feet long and 45 feet wide at the maximum extents, with a depth ranging from 3 to 4 feet bgs.
- Based on laboratory analytical results, the final composite soil samples within the impacted area and the backfill material did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO, or chloride concentrations above the applicable NMOCD Closure Criteria.
- After completion of confirmation sampling, the backfill of the excavation was completed utilizing material purchased locally from the Stacy Mills Pit (Mills Ranch Pit) and recontoured to match pre-existing conditions.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions in other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

9.3 Reliance

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





APPENDIX A

Figures



Folder: C:\Users\Georgiana McSwane\OneDrive - ENSOLUM, LLC\GIS\Oxy - 1417206 - Covington A Federal #003



Sources: Environmental Systems Research Institute (ESRI)



Site Vicinity Map

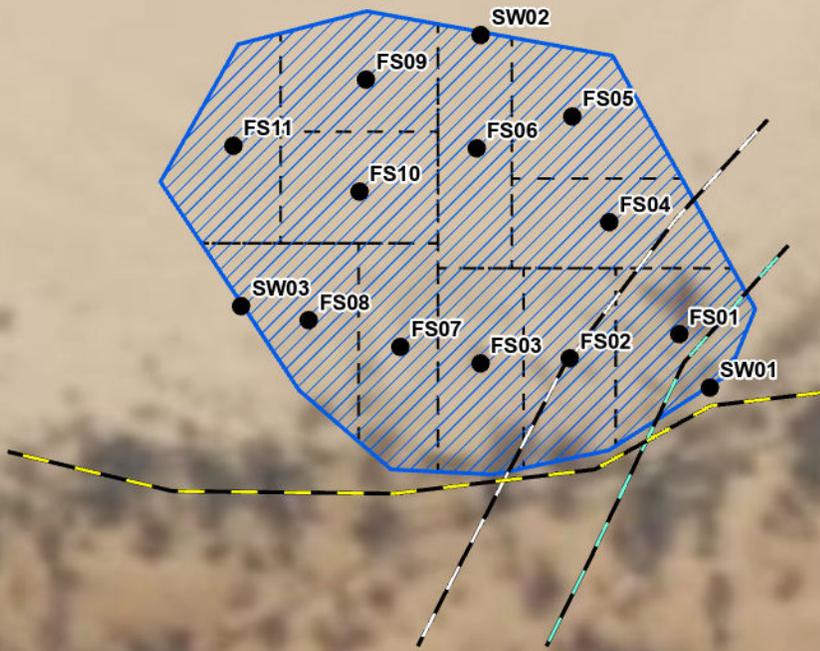
Oxy USA Inc.
 Covington A Federal #003
 32.364502° N, 103.629003° W
 Lea County, New Mexico

PROJECT NUMBER: 03B1417206

FIGURE
2

Legend

- Confirmation Soil Sample Location
- Partially buried line
- White Surface Poly Line
- Black Surface Poly Line
- ▨ Excavation Extent
- - - Composite Soil Sample Boundary
- - - Boundary



Sources: Environmental Systems Research Institute (ESRI)



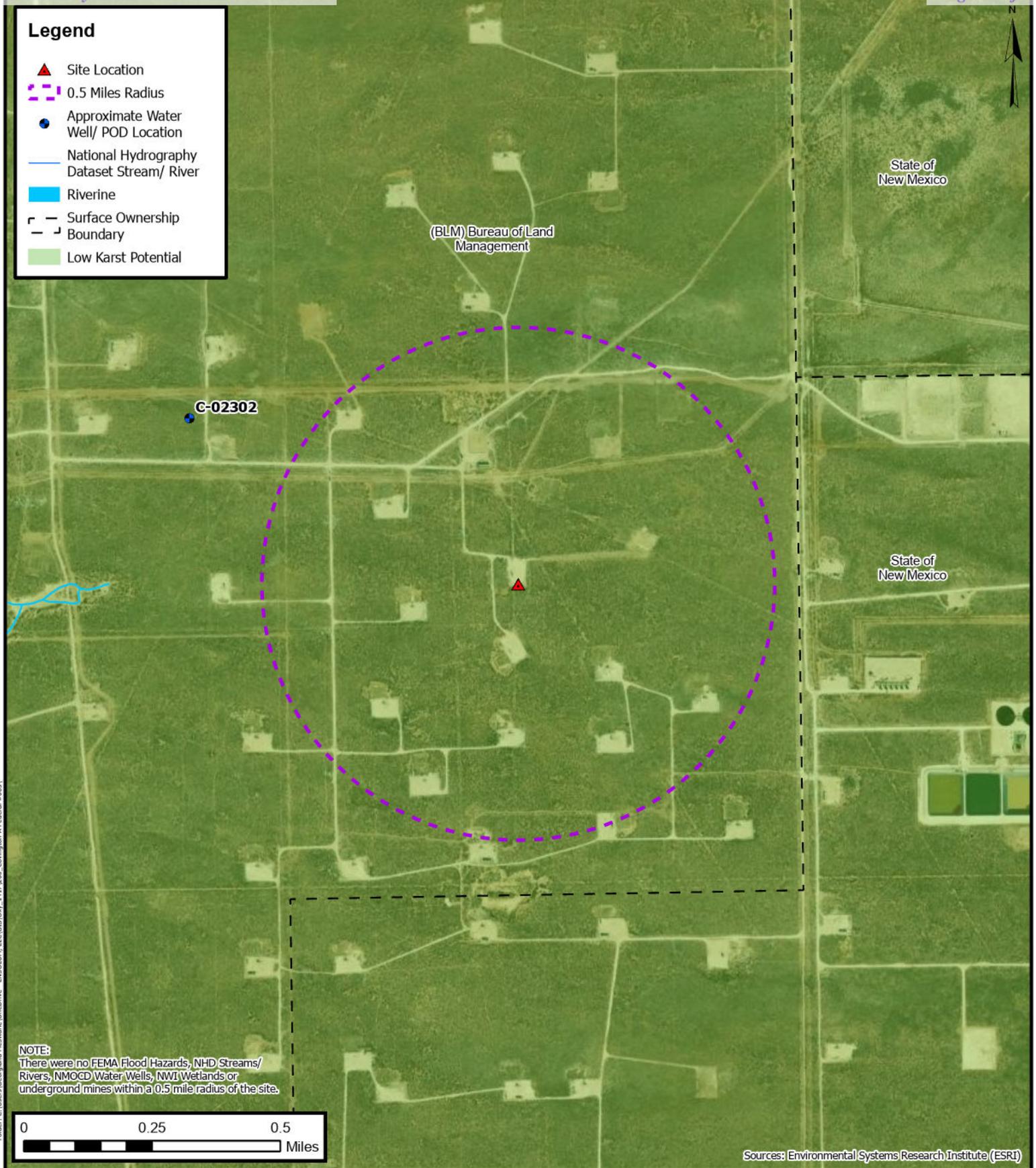
Site Map

Oxy USA Inc.
 Covington A Federal #003
 32.364502° N, 103.629003° W
 Lea County, New Mexico

FIGURE

3

PROJECT NUMBER: 03B1417206



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Closure Criteria Map
 Oxy USA Inc.
 Covington A Federal #003
 32.364502° N, 103.629003° W
 Lea County, New Mexico

PROJECT NUMBER: 03B1417206

FIGURE
4



APPENDIX B

Supporting Documentation

Kelly Lowery

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, September 17, 2024 10:07 AM
To: Kelly Lowery
Cc: Wade Dittrich; Tyson Pierce; Beaux Jennings; Wells, Shelly, EMNRD; Bratcher, Michael, EMNRD
Subject: Re: [EXTERNAL] Extension Request: Covington A Federal #003 (Incident ID: nAPP2417749308)

[**EXTERNAL EMAIL**]

Good morning Kelly,

Thank you for the correspondence. Your 90-day time extension request is approved. Remediation Due date has been updated to December 16, 2024.

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

Regards,

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, September 17, 2024 8:40 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request: Covington A Federal #003 (Incident ID: nAPP2417749308)

From: Kelly Lowery <klowery@ensolum.com>
Sent: Monday, September 16, 2024 3:33 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] Extension Request: Covington A Federal #003 (Incident ID: nAPP2417749308)

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

Good afternoon,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 90-day extension for the Covington A Federal #003 (Incident ID: nAPP2417749308). Excavation activities are currently on-going at the Site but have been delayed due to scheduling challenges with personnel and contractors. We ask that you please approve this extension request for future sampling and subsequent reporting. Please let us know if you have any questions.

Thank you,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC





APPENDIX C

Photographic Documentation

Project: Covington A Federal #003
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2417749308



View of release prior to remediation activities, facing southwest (10/15/2024).

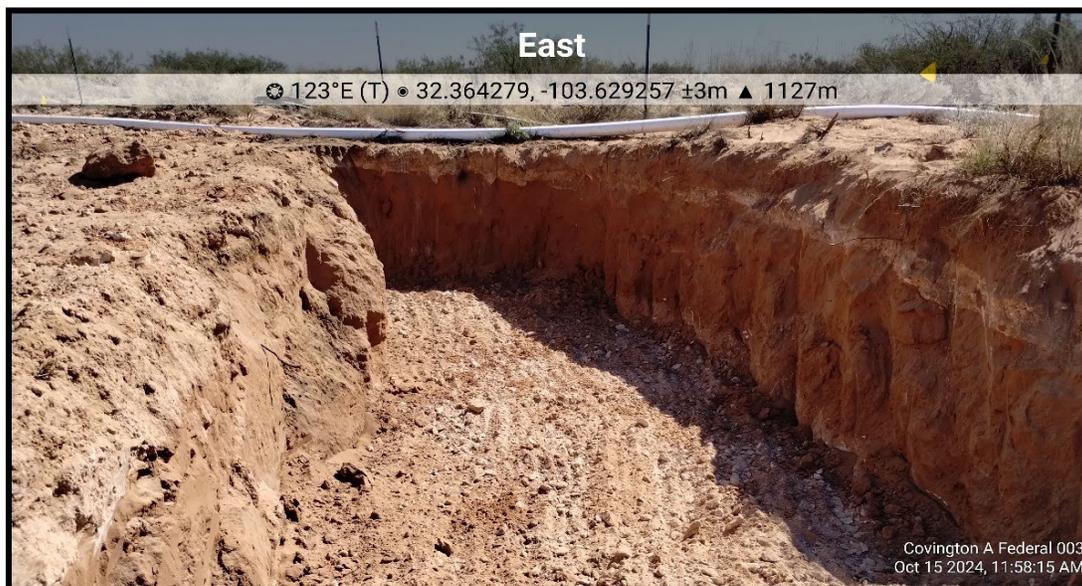


View of release prior to remediation activities, facing north (10/15/2024).

Project: Covington A Federal #003
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2417749308



View of excavation extent during remediation activities, facing southwest (10/15/2024).

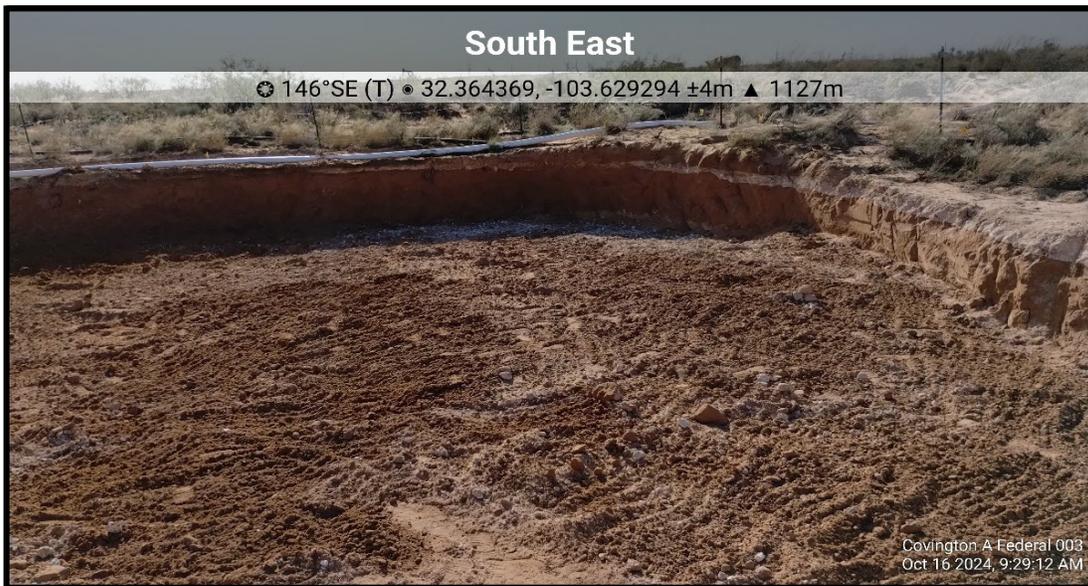


View of excavation extent during remediation activities, facing east (10/15/2024).

Project: Covington A Federal #003
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2417749308



View of excavation extent during remediation activities, facing southeast (10/15/2024).



View of excavation extent during remediation activities, facing southeast (10/16/2024).

Project: Covington A Federal #003
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2417749308



View of excavation extent subsequent to backfilling, facing southwest (10/29/2024).



View of excavation extent subsequent to backfilling, facing west (10/29/2024).

Project: Covington A Federal #003
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2417749308



View of excavation extent subsequent to backfilling, facing north (10/29/2024).



View of excavation extent subsequent to backfilling, facing east (10/29/2024).



APPENDIX D

Table



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Covington A Federal #003
 Oxy USA, Inc.
 Lea County, New Mexico
 Ensolum Project No. 03B1417206

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Floor Soil Sample Analytical Results												
FS01	10/15/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.0	<10.0	10.0	112
FS02	10/15/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.0	<10.0	11.0	128
FS03	10/15/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS04	10/15/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
FS05	10/16/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.9	<10.0	18.9	240
FS06	10/16/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.2	<10.0	28.2	192
FS07	10/15/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS08	10/15/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS09	10/16/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS10	10/15/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS11	10/15/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
Composite Sidewall Soil Sample Analytical Results												
SW01	10/15/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW02	10/16/2024	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW03	10/15/2024	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



TABLE 2
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS
 Mills Ranch Pit
 Oxy USA, Inc.
 Lea County, New Mexico
 Ensolum Project No. NA

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

bgs: below ground surface
mg/kg: milligrams per kilogram
NA: Not Applicable
NE: Not Established
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
MRO: Motor Oil/Lube Oil Range Organics
TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



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

October 22, 2024

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

RE: COVINGTON A FEDERAL #003

Enclosed are the results of analyses for samples received by the laboratory on 10/16/24 11:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/16/2024	Sampling Date:	10/15/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	03B1417206	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: PH 01 4' (H246301-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2024	ND	1.99	99.4	2.00	2.73	
Toluene*	<0.050	0.050	10/18/2024	ND	2.03	101	2.00	1.59	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.08	104	2.00	0.776	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.22	104	6.00	0.840	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	10/18/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2024	ND	217	108	200	0.781	
DRO >C10-C28*	12.5	10.0	10/17/2024	ND	218	109	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/16/2024	Sampling Date:	10/15/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	03B1417206	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: PH 02 3' (H246301-02)

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	10/18/2024	ND	1.99	99.4	2.00	2.73	
Toluene*	<0.050	0.050	10/18/2024	ND	2.03	101	2.00	1.59	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.08	104	2.00	0.776	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.22	104	6.00	0.840	
Total BTEX	<0.300	0.300	10/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/18/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2024	ND	217	108	200	0.781	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	218	109	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/16/2024	Sampling Date:	10/15/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	03B1417206	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: PH 03 2' (H246301-03)

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	10/18/2024	ND	1.99	99.4	2.00	2.73	
Toluene*	<0.050	0.050	10/18/2024	ND	2.03	101	2.00	1.59	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.08	104	2.00	0.776	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.22	104	6.00	0.840	
Total BTEX	<0.300	0.300	10/18/2024	ND					

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

Chloride, SM4500CI-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	10/18/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2024	ND	217	108	200	0.781	
DRO >C10-C28*	25.1	10.0	10/17/2024	ND	218	109	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: **Ensolium, LLC**
 Project Manager: **Kelly Lowery**
 Address: **601 N Marlenfeld Street, Suite 400**
 City: **Midland** State: **TX** Zip: **79701**
 Phone #: **214-733-3165** Fax #:
 Project #: **03B147206** Project Owner:
 Project Name: **Colington A Federal #003**
 Project Location: **Lea County, NM**
 Sampler Name: **Nook Packer**
 P.O. #: **08458 Fpk**
 Address: **ATM, Wade Division**
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX 8021b	TPH 8015M	Chlorides 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H04U301	P401	4'	C	1			X					10/15/24	0845	X	X	X	
	P402	3'	C	1			X					10/15/24	0915	X	X	X	
	P403	2'	C	1			X					10/15/24	0935	X	X	X	
	NFE																

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Relinquished By: **Kevin Packer** Date: **10/16/24** Time: **11:45**
 Received By: **APAC** Date: Time:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address: **klowery@ensolium.com**
 REMARKS:

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: **5.0** Sample Condition: Cool Intact
 Corrected Temp. °C: **4.1** Yes No Yes No
 CHECKED BY: (Initials) **APAC**
 Turnaround Time: **14D** Standard Rush
 Thermometer ID #113 #110 Bacteria (only) Sample Condition: Cool Intact
 Correction Factor: -0.5°C - 0.0°C Yes No Yes No
 Corrected Temp. °C:

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



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

October 23, 2024

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

RE: COVINGTON A FEDERAL #003

Enclosed are the results of analyses for samples received by the laboratory on 10/16/24 11:45.

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

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

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

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

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2 Total Haloacetic Acids (HAA-5)

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 01 4'	H246302-01	Soil	15-Oct-24 11:20	16-Oct-24 11:45
FS 02 4'	H246302-02	Soil	15-Oct-24 11:25	16-Oct-24 11:45
FS 03 3'	H246302-03	Soil	15-Oct-24 11:50	16-Oct-24 11:45
FS 04 4'	H246302-04	Soil	15-Oct-24 13:30	16-Oct-24 11:45
FS 05 3'	H246302-05	Soil	16-Oct-24 08:30	16-Oct-24 11:45
FS 06 3'	H246302-06	Soil	16-Oct-24 09:00	16-Oct-24 11:45
FS 07 3'	H246302-07	Soil	15-Oct-24 15:00	16-Oct-24 11:45
FS 08 3'	H246302-08	Soil	15-Oct-24 12:00	16-Oct-24 11:45
FS 09 3'	H246302-09	Soil	16-Oct-24 09:30	16-Oct-24 11:45
FS 10 3'	H246302-10	Soil	15-Oct-24 14:00	16-Oct-24 11:45
FS 11 3'	H246302-11	Soil	15-Oct-24 13:00	16-Oct-24 11:45
SW 01 0-4'	H246302-12	Soil	15-Oct-24 11:30	16-Oct-24 11:45
SW 02 0-3'	H246302-13	Soil	16-Oct-24 10:00	16-Oct-24 11:45
SW 03 0-3'	H246302-14	Soil	15-Oct-24 13:15	16-Oct-24 11:45

10/23/24 - Client revised the COC. This is the revised report and will replace the one sent on 10/22/24.

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 01 4'
H246302-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101636	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101636	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101636	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101636	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101636	JH	18-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	4101636	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101702	MS	17-Oct-24	8015B	
DRO >C10-C28*	10.0		10.0	mg/kg	1	4101702	MS	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101702	MS	17-Oct-24	8015B	

Surrogate: 1-Chlorooctane			89.3 %		48.2-134	4101702	MS	17-Oct-24	8015B	
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Surrogate: 1-Chlorooctadecane			83.8 %		49.1-148	4101702	MS	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 02 4'
H246302-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	128		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101636	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101636	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101636	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101636	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101636	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.6 %		71.5-134	4101636	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101702	MS	17-Oct-24	8015B	
DRO >C10-C28*	11.0		10.0	mg/kg	1	4101702	MS	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101702	MS	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.0 %		48.2-134	4101702	MS	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.7 %		49.1-148	4101702	MS	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 03 3'
H246302-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.4 %		71.5-134	4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.6 %		48.2-134	4101703	ms	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.0 %		49.1-148	4101703	ms	17-Oct-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 04 4'
H246302-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.4 %		71.5-134	4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.6 %		48.2-134	4101703	ms	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.2 %		49.1-148	4101703	ms	17-Oct-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 05 3'
H246302-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	240		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.5 %		71.5-134	4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	18.9		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.4 %		48.2-134	4101703	ms	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.4 %		49.1-148	4101703	ms	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 06 3'
H246302-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	192		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.6 %		71.5-134	4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	28.2		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.5 %		48.2-134	4101703	ms	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.5 %		49.1-148	4101703	ms	17-Oct-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 07 3'
H246302-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.1 %	71.5-134		4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.7 %	48.2-134		4101703	ms	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.8 %	49.1-148		4101703	ms	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 08 3'
H246302-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.2 %	71.5-134		4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.2 %	48.2-134		4101703	ms	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.6 %	49.1-148		4101703	ms	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 09 3'
H246302-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	4101818	AC	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.3 %	71.5-134		4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.3 %	48.2-134		4101703	ms	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.0 %	49.1-148		4101703	ms	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 10 3'
H246302-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	4101808	HM	18-Oct-24	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.9 %		71.5-134	4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

Surrogate: 1-Chlorooctane			84.5 %		48.2-134	4101703	ms	17-Oct-24	8015B	
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Surrogate: 1-Chlorooctadecane			81.4 %		49.1-148	4101703	ms	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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FS 11 3'
H246302-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	4101808	HM	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.6 %		71.5-134	4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.1 %		48.2-134	4101703	ms	17-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.3 %		49.1-148	4101703	ms	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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**SW 01 0-4'
H246302-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	4101808	HM	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.0 %	71.5-134		4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

Surrogate: 1-Chlorooctane			82.7 %	48.2-134		4101703	ms	17-Oct-24	8015B	
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Surrogate: 1-Chlorooctadecane			80.9 %	49.1-148		4101703	ms	17-Oct-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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**SW 02 0-3'
H246302-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	4101808	HM	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.6 %	71.5-134		4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

Surrogate: 1-Chlorooctane			78.0 %	48.2-134		4101703	ms	17-Oct-24	8015B	
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Surrogate: 1-Chlorooctadecane			79.2 %	49.1-148		4101703	ms	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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**SW 03 0-3'
H246302-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	4101808	HM	18-Oct-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4101707	JH	18-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4101707	JH	18-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.4 %	71.5-134		4101707	JH	18-Oct-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4101703	ms	17-Oct-24	8015B	

Surrogate: 1-Chlorooctane			87.5 %	48.2-134		4101703	ms	17-Oct-24	8015B	
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Surrogate: 1-Chlorooctadecane			83.6 %	49.1-148		4101703	ms	17-Oct-24	8015B	
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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4101808 - 1:4 DI Water										
Blank (4101808-BLK1) Prepared & Analyzed: 18-Oct-24										
Chloride	ND	16.0	mg/kg							
LCS (4101808-BS1) Prepared & Analyzed: 18-Oct-24										
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (4101808-BSD1) Prepared & Analyzed: 18-Oct-24										
Chloride	480	16.0	mg/kg	400		120	80-120	6.90	20	
Batch 4101818 - 1:4 DI Water										
Blank (4101818-BLK1) Prepared & Analyzed: 18-Oct-24										
Chloride	ND	16.0	mg/kg							
LCS (4101818-BS1) Prepared & Analyzed: 18-Oct-24										
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (4101818-BSD1) Prepared & Analyzed: 18-Oct-24										
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4101636 - Volatiles

Blank (4101636-BLK1)

Prepared: 16-Oct-24 Analyzed: 18-Oct-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500		100	71.5-134			

LCS (4101636-BS1)

Prepared: 16-Oct-24 Analyzed: 18-Oct-24

Benzene	1.99	0.050	mg/kg	2.00		99.4	82.8-130			
Toluene	2.03	0.050	mg/kg	2.00		101	86-128			
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128			
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.07	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	6.22	0.150	mg/kg	6.00		104	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.7	71.5-134			

LCS Dup (4101636-BSD1)

Prepared: 16-Oct-24 Analyzed: 18-Oct-24

Benzene	1.93	0.050	mg/kg	2.00		96.7	82.8-130	2.73	15.8	
Toluene	1.99	0.050	mg/kg	2.00		99.7	86-128	1.59	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	0.776	16	
m,p-Xylene	4.11	0.100	mg/kg	4.00		103	89-129	0.988	16.2	
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125	0.543	16.7	
Total Xylenes	6.17	0.150	mg/kg	6.00		103	88.2-128	0.840	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.9	71.5-134			

Batch 4101707 - Volatiles

Blank (4101707-BLK1)

Prepared: 17-Oct-24 Analyzed: 18-Oct-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4101707 - Volatiles

Blank (4101707-BLK1)

Prepared: 17-Oct-24 Analyzed: 18-Oct-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		94.7	71.5-134			

LCS (4101707-BS1)

Prepared: 17-Oct-24 Analyzed: 18-Oct-24

Benzene	2.09	0.050	mg/kg	2.00		105	82.8-130			
Toluene	2.04	0.050	mg/kg	2.00		102	86-128			
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	85.9-128			
m,p-Xylene	3.96	0.100	mg/kg	4.00		99.0	89-129			
o-Xylene	1.94	0.050	mg/kg	2.00		96.9	86.1-125			
Total Xylenes	5.90	0.150	mg/kg	6.00		98.3	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0469		mg/kg	0.0500		93.8	71.5-134			

LCS Dup (4101707-BSD1)

Prepared: 17-Oct-24 Analyzed: 18-Oct-24

Benzene	2.00	0.050	mg/kg	2.00		100	82.8-130	4.29	15.8	
Toluene	1.95	0.050	mg/kg	2.00		97.3	86-128	4.62	15.9	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.2	85.9-128	4.47	16	
m,p-Xylene	3.80	0.100	mg/kg	4.00		95.0	89-129	4.05	16.2	
o-Xylene	1.85	0.050	mg/kg	2.00		92.4	86.1-125	4.72	16.7	
Total Xylenes	5.65	0.150	mg/kg	6.00		94.2	88.2-128	4.27	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0468		mg/kg	0.0500		93.6	71.5-134			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4101702 - General Prep - Organics

Blank (4101702-BLK1)		Prepared & Analyzed: 17-Oct-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.8	48.2-134			
Surrogate: 1-Chlorooctadecane	46.6		mg/kg	50.0		93.1	49.1-148			

LCS (4101702-BS1)		Prepared & Analyzed: 17-Oct-24								
GRO C6-C10	217	10.0	mg/kg	200		108	66.4-123			
DRO >C10-C28	218	10.0	mg/kg	200		109	66.5-118			
Total TPH C6-C28	434	10.0	mg/kg	400		109	77.6-123			
Surrogate: 1-Chlorooctane	55.6		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	52.5		mg/kg	50.0		105	49.1-148			

LCS Dup (4101702-BS1)		Prepared & Analyzed: 17-Oct-24								
GRO C6-C10	215	10.0	mg/kg	200		107	66.4-123	0.781	17.7	
DRO >C10-C28	217	10.0	mg/kg	200		108	66.5-118	0.468	21	
Total TPH C6-C28	432	10.0	mg/kg	400		108	77.6-123	0.624	18.5	
Surrogate: 1-Chlorooctane	58.1		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0		108	49.1-148			

Batch 4101703 - General Prep - Organics

Blank (4101703-BLK1)		Prepared & Analyzed: 17-Oct-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.1	48.2-134			
Surrogate: 1-Chlorooctadecane	45.1		mg/kg	50.0		90.3	49.1-148			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: COVINGTON A FEDERAL #003 Project Number: 03B1417206 Project Manager: KELLY LOWERY Fax To:	Reported: 23-Oct-24 09:40
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4101703 - General Prep - Organics

LCS (4101703-BS1)

Prepared & Analyzed: 17-Oct-24

GRO C6-C10	224	10.0	mg/kg	200		112	66.4-123			
DRO >C10-C28	209	10.0	mg/kg	200		105	66.5-118			
Total TPH C6-C28	433	10.0	mg/kg	400		108	77.6-123			
Surrogate: 1-Chlorooctane	52.3		mg/kg	50.0		105	48.2-134			
Surrogate: 1-Chlorooctadecane	50.5		mg/kg	50.0		101	49.1-148			

LCS Dup (4101703-BSD1)

Prepared & Analyzed: 17-Oct-24

GRO C6-C10	220	10.0	mg/kg	200		110	66.4-123	1.95	17.7	
DRO >C10-C28	212	10.0	mg/kg	200		106	66.5-118	1.13	21	
Total TPH C6-C28	431	10.0	mg/kg	400		108	77.6-123	0.450	18.5	
Surrogate: 1-Chlorooctane	54.3		mg/kg	50.0		109	48.2-134			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	49.1-148			

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Kelly Lowery
P.O. #:
Address: 601 N Marland Street, Suite 400
City: Midland State: TX Zip: 79701
Address: Oxy USA, TX
Address: Aton, wide District

Phone #: 214-777-3165 Fax #:
Project #: 038147206 Project Owner:
City:
Project Name: Conway A Federal #003 State: Zip:
Project Location: Lea County, NM Phone #

Sample Name: Noah Baker Fax #:
FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021b	TPH 805M	Chlorides 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
#12410302	F501	4'	C	1	X						06/16/24	1120	X	X	X
	F502	4'	C	1	X						06/16/24	1125	X	X	X
	F503	3'	C	1	X						06/16/24	1150	X	X	X
	F504	4'	C	1	X						06/16/24	1310	X	X	X
	F505	3'	C	1	X						06/16/24	0930	X	X	X
	F506	3'	C	1	X						06/16/24	0900	X	X	X
	F507	3'	C	1	X						06/16/24	1500	X	X	X
	F508	3'	C	1	X						06/16/24	1200	X	X	X
	F509	3'	C	1	X						06/16/24	0930	X	X	X
	F510	3'	C	1	X						06/16/24	1400	X	X	X

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Relinquished By: Jim RW Date: 10/16/24 Time: 11:45
Received By: ADARVA
Date: 10/16/24 Time: 11:45

Delivered By: (Circle One) Observed Temp. °C 5.0 Sample Condition Cool Intact
Sampler - UPS - Bus - Other: Corrected Temp. 4.0 Yes No

Turnaround Time: Standard Rush
Thermometer ID: #4437116 Bacteria (only) Cool Intact
Correction Factor: 0.5°C - 0.2°C Yes No Corrected Temp. °C

Verbal Result: Yes No Add'l Phone #:
All Results are emailed. Please provide Email address: LOWERY@ENSOLVM.COM
REMARKS:

1022



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: Ensolium, LLC
 Project Manager: Kelly Leavary
 Address: 601 N Marientfield Street, Suite 400
 City: Midland State: TX Zip: 79701
 Phone #: 214-733-3165 Fax #: [blank]
 Project #: 0381447226 Project Owner: [blank]
 Project Name: Cowboy A Federal #1003
 Project Location: Lea County, NM
 Sample Name: Nosh Dicker
 P.O. #: [blank]
 Address: BNY USA, Inc.
 City: [blank] State: [blank] Zip: [blank]
 Phone #: [blank] Fax #: [blank]

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
11	Fill	3'		1								10/16/24	1300	BTEX 80216
12	SW01	0-4'		1	X	X	X	X	X	X	X	10/16/24	1130	TPH 8015M
13	SW02	0-3'		1	X	X	X	X	X	X	X	10/16/24	1000	(4) H20005 4500
14	SW03	0-3'		1	X	X	X	X	X	X	X	10/16/24	1315	AMP 10/23/24

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Relinquished By: [Signature]
 Date: 10-16-24
 Time: 11:45
 Received By: [Signature]
 Date: [blank]
 Time: [blank]

Delivered By: (Circle One) Observed Temp. °C Sample Condition Checked By: (Initials)
 Corrected Temp. °C Cool Intact Yes No Ice Intact Yes No
 Turnaround Time: Standard Rush Bacteria (only) Sample Condition
 Thermometer ID #113#100 Cool Intact Yes No Observed Temp. °C
 Correction Factor: -0.5°C Cool Intact Yes No Corrected Temp. °C

FORM-5006 R-51Z 10/07/21
 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabsnm.com

2022



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

October 03, 2024

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

RE: MILLS RANCH PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/30/24 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/30/2024	Sampling Date:	09/30/2024
Reported:	10/03/2024	Sampling Type:	Soil
Project Name:	MILLS RANCH PIT	Sampling Condition:	Cool & Intact
Project Number:	03B1417139	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: MILLS RANCH PIT 0.25' (H245925-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	0.060	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:		Wade D. Hagg	
Project Manager: Kelly Lowrey		Address:			
Address: 601 N Marientfeld Street, Suite 400		City:			
City: Midland		State: TX		Zip: 79701	
Phone #: 214-773-3165		Fax #:			
Project #: 63BL447139		Project Owner:			
Project Name: Mills Ranch PH		State:		Zip:	
Project Location: LeFell County, NM		Phone #:			
Sampler Name: NKD		Fax #:			
FOR LAB USE ONLY		MATRIX		PRESERV.	
Lab I.D.		Sample I.D.		Depth (feet)	
Mills Ranch PH		0.25'		(G)RAB OR (C)OMP.	
				# CONTAINERS	
				GROUNDWATER	
				WASTEWATER	
				SOIL	
				OIL	
				SLUDGE	
				OTHER :	
				ACID/BASE:	
				ICE / COOL	
				OTHER :	
		DATE		TIME	
		9/20/24		1740	
				BTEX	
				TPH (NM)	
				Chlorides 4500	

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Relinquished By: *MW* Date: *9/20/24* Received By: *AD Davis*
 Relinquished By: *MW* Date: *9/20/24* Received By: *AD Davis*

Delivered By: (Circle One) Observed Temp. °C *5.0°C* Corrected Temp. °C *4.4°C* Sample Condition Intact Cool Yes No Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Sampler - UPS - Bus - Other: Corrected Temp. °C *4.4°C* Yes No Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Thermometer ID # *FT3* Yes No Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Correction Factor *0.5°C* Yes No Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Verbal Result: Yes No Add'l Phone #:

REMARKS: *Flowing @ Ensolum, NM*

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

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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

QUESTIONS

Action 411821

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 411821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417749308
Incident Name	NAPP2417749308 COVINGTON A FEDERAL #003 @ 30-025-32445
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-32445] COVINGTON A FEDERAL #003

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	COVINGTON A FEDERAL #003
Date Release Discovered	06/17/2024
Surface Owner	State

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 6 BBL Recovered: 0 BBL Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 411821

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 411821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/13/2024
--	---

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Phone: (505) 476-3441

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

QUESTIONS, Page 3

Action 411821

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 411821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	288
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	28
GRO+DRO (EPA SW-846 Method 8015M)	28
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/15/2024
On what date will (or did) the final sampling or liner inspection occur	10/16/2024
On what date will (or was) the remediation complete(d)	10/16/2024
What is the estimated surface area (in square feet) that will be reclaimed	2115
What is the estimated volume (in cubic yards) that will be reclaimed	267
What is the estimated surface area (in square feet) that will be remediated	2115
What is the estimated volume (in cubic yards) that will be remediated	267

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 411821

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 411821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

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

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/13/2024
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 411821

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 411821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

General Information
Phone: (505) 629-6116

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

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 6

Action 411821

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 411821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	391817
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/15/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	1200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2115
What was the total volume (cubic yards) remediated	267
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2115
What was the total volume (in cubic yards) reclaimed	267
Summarize any additional remediation activities not included by answers (above)	NA

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/13/2024
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QUESTIONS, Page 7

Action 411821

QUESTIONS (continued)

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

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 411821

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 411821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	3/18/2025