



September 2, 2025

New Mexico Oil Conservation Division

1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Reclamation Deferral Request
Covington A Federal #034
Incident Number nAPP2412336815
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of Oxy USA, Inc. (Oxy), has prepared this *Reclamation Deferral Request* to document excavation and soil sampling activities performed at the Covington A Federal #034 (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil resulting from a release of produced water and crude oil at the Site. Oxy is submitting this *Reclamation Deferral Request*, describing excavation activities that have occurred and requesting deferral of final reclamation for Incident Number nAPP2412336815 until the Site is reconstructed, and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 25, Township 22 South, Range 32 East, in Lea County, New Mexico (32.358768°, -103.632415°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On April 29, 2024, a flow line leak resulted in the release of approximately 3 barrels (bbls) of produced water and approximately 7 bbls of crude oil onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free-standing fluids and approximately 3 bbls of produced water and 7 bbls of crude oil were recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) via a report through the online notice of release (NOR) form on May 2, 2024. The release was subsequently assigned Incident Number nAPP2412336815.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized for applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the NMOCD online portal under Site Assessment/Characterization. Potential Site receptors are identified in Figure 4.

Due to the lack of groundwater well data within 0.5-mile from the Site, Ensolum and West Texas Water Well Service, a licensed driller in the state of New Mexico, advanced one soil boring (C-04908-POD1 (SB-1)) on December 9, 2024 to a total depth of 110 feet below ground surface (bgs) to confirm the presence or absence of groundwater at the Site. The boring was left open with temporary polyvinyl chloride (PVC) casing for a period of 72 hours to allow for the inflow of groundwater, if applicable. After 72 hours, the boring was measured with no groundwater encountered, the temporary PVC casing was removed and was subsequently plugged in accordance with the approved plugging permit. The soil boring used for depth to groundwater determination is presented on Figure 4. The referenced well record is included in Appendix A.

Oxy USA, Inc.
Reclamation Deferral Request
Covington A Federal #034

The closest continuously flowing or significant watercourse to the Site based on the National Hydrography Dataset (NHD) map is an ephemeral stream, located approximately 3.26 miles northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake, greater than 300 feet from a wetland, and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 500 feet from a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes and greater than 1,000 feet to any freshwater well or spring. The Site is not within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance, and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by stable geology (low potential karst designation area). Site receptors are identified on Figure 4.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) and diesel range organics (DRO): 1,000 mg/kg
- Total TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pad that was impacted by the release, per 19.15.29.13 D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation.

EXCAVATION SOIL SAMPLING ACTIVITIES

Between October 28, 2024 through January 30, 2025, Ensolum personnel were at the Site to oversee excavation activities based on initial delineation field screenings. Excavation activities were performed using a backhoe, hydrovac, hand shovels, and transport vehicles. The excavation occurred on the well pad around and near active production equipment. To direct excavation activities, Ensolum personnel screened soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID), TPH utilizing a calibrated PetroFLAG® Soil Reagents test kit, and chlorides utilizing Hach® chloride QuanTab® test strips.

Following removal of impacted soil to the maximum extent possible, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation floor soil samples FS01 through FS36 were collected at depths ranging from 3 feet to 11 feet bgs. Excavation sidewall soil samples SW01 through SW21 were collected at depths ranging from ground surface to 11 feet bgs. Photographic documentation of the excavation activities is presented on a Photographic Log in Appendix B. Excavation sample locations are presented in Figure 3.

The confirmation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) located in Hobbs, New Mexico, for analysis of the following chemicals of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500Cl-B.

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The final excavation extents measured approximately 7,292 square feet. A total of approximately 1,962 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Facility in Hobbs, New Mexico. Subsequent to receipt of final laboratory analytical results, the excavation was backfilled with clean fill material purchased locally from the Mills Ranch Pit.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all confirmation floor and sidewall soil samples collected from the final excavation extent indicated all COC concentrations were in compliance with Closure Criteria except for sidewall soil samples SW08 and SW21, which exceeded the chloride limits outlined for soils less than 4 feet bgs. Additional soil could not be removed due to the presence of active production equipment and utilities. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.

RECLAMATION DEFERRAL REQUEST

Excavation activities were completed at the Site to the extent practical, with impacted soil remaining directly under where production equipment exists. The impacted soil contains chloride concentrations that exceed the Closure Criteria requirements for reclamation purposes per 19.15.29.13 D (1) NMAC. Lateral delineation of the residual impacted soil is defined by the delineation sidewall soil samples SW07 and SW20. Vertical delineation of residual impacted soil is defined by delineation floor soil samples FS04, FS10, FS12, FS32 and FS36. An estimated area of impacted soil left in place immediate adjacent to or below active production equipment and utilities measures approximately 453 square feet and 67 cubic yards. The estimated area of remaining impacted soil and referenced soil sample locations are presented in Figure 3. Oxy is requesting deferral of final reclamation in this area since excavation of the soil would require major facility deconstruction.

Oxy does not believe deferment of the remaining 67 cubic yards of soil will result in imminent risk to human health, the environment, or groundwater and the impacted soil remaining in place is limited in areal and vertical extent. As such, Oxy requests deferral of final reclamation for Incident Number nAPP2412336815 until the Site is reconstructed, and/or the well pad is abandoned.

If you have any questions or comments, please contact Ms. Kelly Lowery at (214) 733-3165 or klowery@ensolum.com.

Sincerely,
Ensolum, LLC



Tabitha Guadian
Staff Geologist



Beaux Jennings
Associate Principal

cc: Daniel Sparks, Oxy
Bureau of Land Management

Appendices:

Figure 1	Topographic Map
Figure 2	Site Vicinity Map
Figure 3	Site Map
Figure 4	Closure Criteria Map

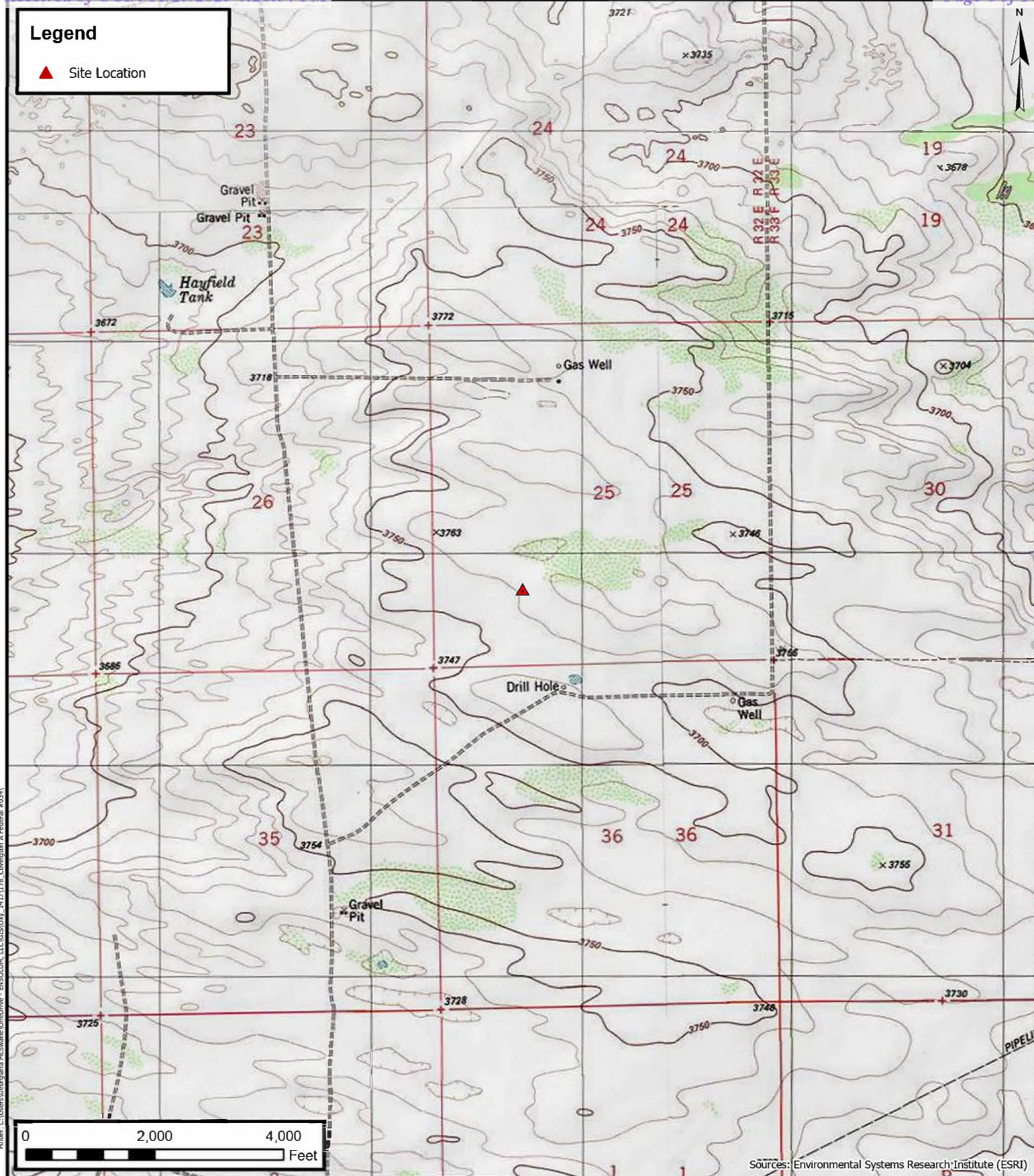
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Table 1 Soil Sample Analytical Results
Table 2 Backfill Soil Sample Analytical Results

Appendix A Supporting Documentation
Appendix B Photographic Log
Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES





Folder: C:\Users\Georgiana McSwain\OneDrive - ENSOLUM, LLC\GIS\Oxy_3217178_Covington A Federal #034\



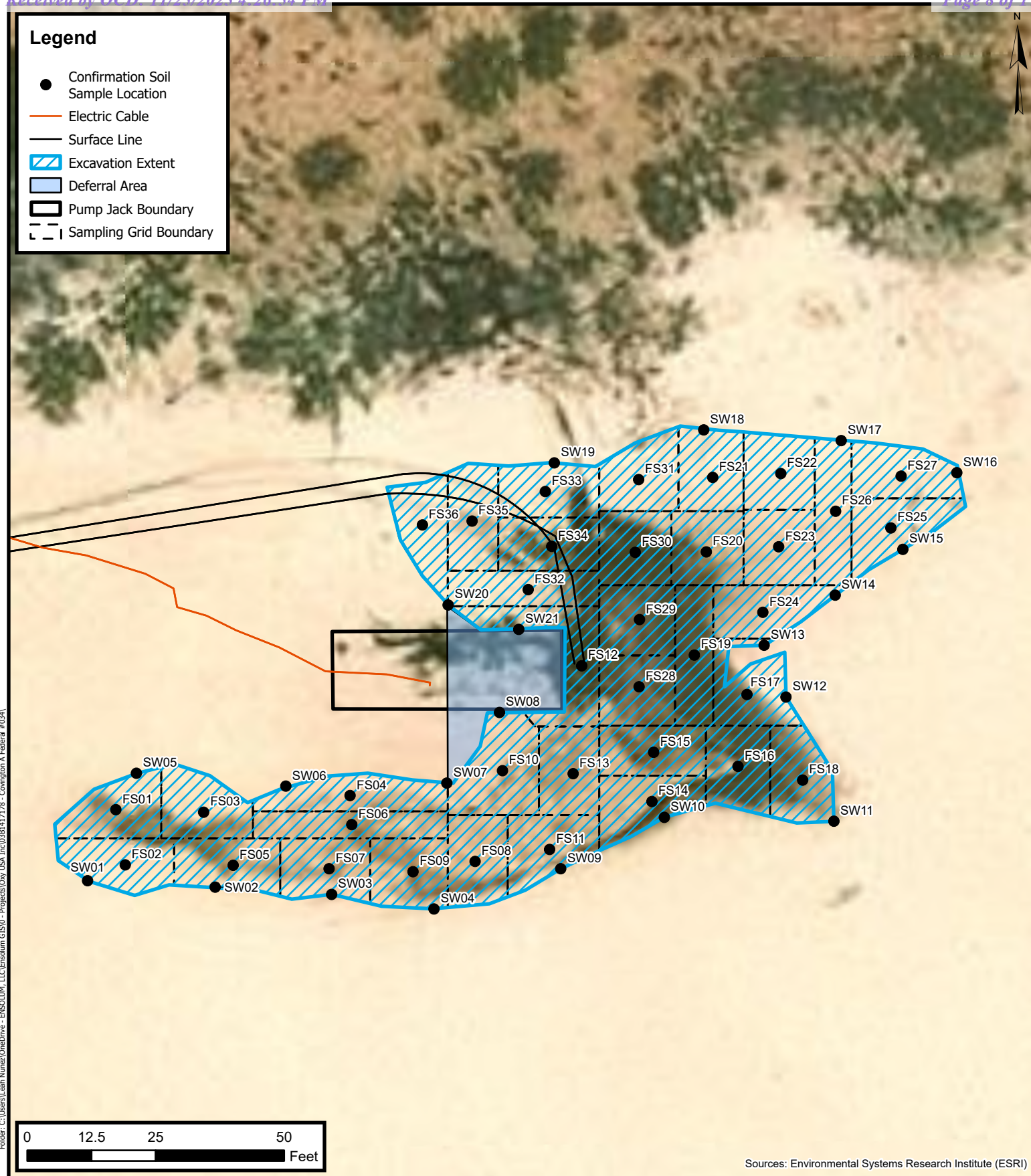
Site Vicinity Map

Oxy USA Inc.
Covington A Federal #034
PROJECT NUMBER: 03B1417178
32.358768, -103.632415
Lea County, New Mexico

FIGURE
2

Legend

- Confirmation Soil Sample Location
- Electric Cable
- Surface Line
- ▨ Excavation Extent
- Deferral Area
- ▭ Pump Jack Boundary
- - - Sampling Grid Boundary



Sources: Environmental Systems Research Institute (ESRI)



Site Map

Oxy USA Inc.
Covington A Federal #034
Project Number: 03B1417178
32.358768, -103.632415
Lea County, New Mexico

FIGURE

3

Legend

- ▲ Site Location
- 0.5 Miles Radius selection
- Approximate Water Well/ POD Location
- National Hydrography Dataset Stream/ River
- Freshwater Emergent Wetland
- Riverine
- Surface Ownership Boundary
- Low Karst Potential

C-02302

(BLM) Bureau of Land Management

C-04908-POD1

State of New Mexico

NOTE:
There were no FEMA Flood Hazards, NHD Stream/
River, NWI Wetlands or underground mines within a
0.5 mile radius of the site.

0 0.25 0.5
Miles

Sources: Environmental Systems Research Institute (ESRI)



Closure Criteria Map

Oxy USA Inc.
Covington A Federal #034
PROJECT NUMBER: 03B1417178
32.35877, -103.632415
Lea County, New Mexico

FIGURE

4



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
COVINGTON A FEDERAL #034
OXY USA, INC.
LEA COUNTY, NEW MEXICO

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Confirmation Floor Soil Samples										
FS01	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS02	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS03	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS04	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS05	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS06	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS07	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS08	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS09	10/28/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS10	10/29/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
FS11	10/29/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS12	10/29/2024	6	<0.050	<0.300	<10.0	29.6	<10.0	29.6	29.6	6,640
FS13	10/29/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,680
FS14	10/29/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS15	10/29/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
FS16	10/29/2024	6	<0.050	<0.300	<10.0	16.2	<10.0	16.2	16.2	128
FS17	10/29/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816
FS18	10/29/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS19	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS20	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS21	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS22	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS23	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS24	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS25	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS26	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS27	10/29/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS28	10/29/2024	3	<0.050	<0.300	<10.0	1,850	368	2,218	2,218	1,340
	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,390
FS29	10/29/2024	3	<0.050	<0.300	<10.0	729	134	863	863	576
	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,360



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
COVINGTON A FEDERAL #034
OXY USA, INC.
LEA COUNTY, NEW MEXICO

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS30	10/29/2024	3	<0.050	<0.300	<10.0	16.8	<10.0	16.8	16.8	3,920
	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
FS31	10/29/2024	3	<0.050	<0.300	<50.0	4,120	885	5,005	5,005	1,470
	01/10/2025	5	<0.050	<0.300	<10.0	11.9	<10.0	11.9	11.9	1,600
FS32	10/29/2024	3	<0.050	<0.300	<10.0	293	58.1	351	351	1,650
	01/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS33	10/29/2024	3	<0.050	<0.300	<10.0	63.5	<10.0	63.5	63.5	320
FS34	10/29/2024	3	<0.050	<0.300	<10.0	208	27.3	235	235	144
	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
FS35	10/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,870
	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
FS36	10/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,730
	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
Confirmation Sidewall Soil Samples										
SW01	10/28/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
	10/28/2024	4-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SW02	10/28/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
	10/28/2024	4-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW03	10/28/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
	10/28/2024	4-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,470
SW04	10/28/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
	01/30/2025	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
	10/28/2024	4-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
SW05	10/28/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
	10/28/2024	4-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW06	10/28/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	10/28/2024	4-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW07	10/28/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	10/28/2024	4-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
SW08	10/29/2024	0-4 [†]	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,280
	10/29/2024	4-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	992
SW09	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
	10/29/2024	4-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
COVINGTON A FEDERAL #034
OXY USA, INC.
LEA COUNTY, NEW MEXICO

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SW10	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
	10/29/2024	4-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW11	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	10/29/2024	4-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SW12	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
	10/29/2024	4-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW13	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
	10/29/2024	4-11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW14	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	10/29/2024	4-11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW15	10/29/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	846
	01/10/2025	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
	10/29/2024	4-11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW16	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
	10/29/2024	4-11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW17	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
	10/29/2024	4-11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SW18	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
	10/29/2024	4-11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW19	10/29/2024	0-4*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
	10/29/2024	4-11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW20	10/29/2024	0-3*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW21	10/29/2024	0-3†	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

*: Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation standard in the top 4 feet is 600 mg/kg for chloride and 100 mg/kg for TPH.

†: Sidewall sample location unable to be excavated safely due to proximity to operating equipment.



TABLE 2 BACKFILL SOIL SAMPLE ANALYTICAL RESULTS MILLS RANCH PIT OXY USA, INC. LEA COUNTY, NEW MEXICO										
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Requirements for Reclaimed Area			NE	NE	NE	NE	NE	NE	100	600
Confirmation Backfill Soil Sample										
Mills Ranch Pit	09/30/2024	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
NA: Not Applicable
NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon



APPENDIX A

Supporting Documentation

Kelly Lowery

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, July 26, 2024 3:05 PM
To: Kelly Lowery
Cc: Beaux Jennings; Dittrich, John W; Pierce, Tyson (The Bergaila Company); Hadlie Green; Samantha MacKenzie; Georgiana McSwane; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject: Extension Request: Covington A Federal #034 (Incident ID: nAPP2412336815)

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2412336815

Kelly,

Your request for a 90 day extension to **October 24th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, July 26, 2024 8:56 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request: Covington A Federal #034 (Incident ID: nAPP2412336815)

From: Kelly Lowery <klowery@ensolum.com>
Sent: Friday, July 26, 2024 8:52 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Beaux Jennings <bjennings@ensolum.com>; Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Hadlie Green <hgreen@ensolum.com>; Samantha MacKenzie <smackenzie@ensolum.com>; Georgiana McSwane <gmcswane@ensolum.com>
Subject: [EXTERNAL] Extension Request: Covington A Federal #034 (Incident ID: nAPP2412336815)

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

Good morning,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 90-day extension for the Covington A Federal #034 (Incident ID: nAPP2412336815). Excavation and remediation 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
in f 

Kelly Lowery

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Monday, October 28, 2024 9:11 AM
To: Kelly Lowery
Cc: 'Dittrich, John W'; Pierce, Tyson (Legacy Safety & Consulting LLC); Beaux Jennings; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: (Final Extension) - Covington A Federal #034 (Incident ID: nAPP2412336815)

[**EXTERNAL EMAIL**]

RE: Incident # **NAPP2412336815**

Kelly,

Your request for a 90 day extension to **January 27th, 2024** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Kelly Lowery <klowery@ensolum.com>
Sent: Friday, October 25, 2024 6:51 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@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>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request: Covington A Federal #034 (Incident ID: nAPP2412336815)

Hi Robert hope this email finds you well.

The site assessment/characterization was completed on the OCD portal on 5/3/2024. I've attached the Closure Criteria map which indicates there are no sensitive site receptors within 0.5-mile of the site. To provide you with a recap for this site, on 4/29/24 oxy had a release of 7 barrels of oil and 3 barrels of produced water, all which remained on-pad. Oxy subsequently recovered all 7 barrels of oil and 3 barrels of produced water with a vac truck and remediation activities began shortly after.

Oxy is currently waiting on the approved OSE permit documents to install a DTW boring within 0.5-mile of the Site to determine the presence/absence of groundwater.

In order to continue remaining in compliance with the OCD regulation of 90-days, we humbly ask that you approve this extension request so we may continue with the remediation and eventual closure activities for this site.

Thank you and have a great weekend,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC



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

Sent: Thursday, October 24, 2024 11:46 AM

To: Kelly Lowery <klowery@ensolum.com>

Cc: 'Dittrich, John W' <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <Tyson_Pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Extension Request: Covington A Federal #034 (Incident ID: nAPP2412336815)

[**EXTERNAL EMAIL**]

Kelly,

An extension for this incident has already been granted. The OCD will need to see the full Site Assessment/Characterization before another extension can be granted. The OCD needs to know if there are any receptors or possibility of groundwater contamination. Please include depth to groundwater determination, either through a known water source within half mile or drilling of a borehole. Please include attachment, so we can review.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

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



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

Sent: Thursday, October 24, 2024 9:44 AM

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

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Extension Request: Covington A Federal #034 (Incident ID: nAPP2412336815)

From: Kelly Lowery <klowery@ensolum.com>
Sent: Thursday, October 24, 2024 9:41 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] Extension Request: Covington A Federal #034 (Incident ID: nAPP2412336815)

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

Good morning,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 90-day extension for the Covington A Federal #034 (Incident ID: nAPP2412336815). Excavation and remediation 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
in f 

Kelly Lowery

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, January 24, 2025 9:10 AM
To: Kelly Lowery
Cc: 'Dittrich, John W'; Pierce, Tyson (Legacy Safety & Consulting LLC); Beaux Jennings; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: (Final Extension) - Covington A Federal #034 (Incident ID: nAPP2412336815)

[**EXTERNAL EMAIL**]

RE: Incident #**NAPP2412336815**

Kelly,

Your request for a 90-day extension to **April 24th, 2025** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@emnrd.nm.gov

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, January 23, 2025 4:36 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Covington A Federal #034 (Incident ID: nAPP2412336815)

From: Kelly Lowery <klowery@ensolum.com>
Sent: Thursday, January 23, 2025 4:11 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 #034 (Incident ID: nAPP2412336815)

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 #034 (Incident ID: nAPP2412336815). Excavation and sampling activities are currently on-going but were delayed due to a hard caliche layer encountered during excavation activities that required heavier equipment to be utilized. Delineation activities are almost complete, and the next excavation/sampling event is scheduled for January 30, 2025. Pending passing laboratory analytical results, the subsequent closure report will be drafted and sent over to the NMOCD for review. We respectfully request this extension to have this Site closed out in a manner that is consistent with the rules in 19.15.29 NMAC.

Thank you,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC



OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Remediation Closure Request C-141 (C-141-V-CLOSURE) Application

Submission Information

Submission ID:	455336	Districts:	Hobbs
Operator:	[16696] OXY USA INC	Counties:	Lea
Description:	OXY USA INC [16696] , COVINGTON A FEDERAL #034 , nAPP2412336815		
Status:	REJECTED		
Status Date:	05/20/2025		
References (0):			

Forms

Attachments: [Volume Calculation](#), [Water Sources](#), [Scaled Site Map](#), [Field Data](#), [Soil Contaminant](#), [Water Depth](#), [Boring Logs](#), [Photographs](#), [Topo Aerial Maps](#), [Lab Data](#), [Proposed Technique](#), [Estimated Volume](#), [Closure Criteria](#), [Proposed Schedule](#), [Lab Samples OR Liner Integrity](#), [Remediation Activities](#)

Questions

Prerequisites

Incident Operator	[16696] OXY USA INC
Incident Type	Oil Release

Please answer all the questions in this group.

Site Name	COVINGTON A FEDERAL #034
Date Release Discovered	04/29/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Producing Well Crude Oil Released: 7 BBL Recovered: 7 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Producing Well Produced Water Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Reasons why this would be considered a submission for a notification of a major release *Unavailable.*

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement **Name: Wade Dittrich**
Title: Environmental Coordinator
Email: wade_dittrich@oxy.com
Date: 04/24/2025

Site Characterization

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

- What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) **Between 100 and 500 (ft.)**
- What method was used to determine the depth to ground water **NM OSE iWaters Database Search**
- Did this release impact groundwater or surface water **No**

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

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 1000 (ft.) and ½ (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	No

Remediation Plan

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

Requesting a remediation plan approval with this submission Yes

Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.

Have the lateral and vertical extents of contamination been fully delineated Yes

Was this release entirely contained within a lined containment area No

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

Chloride	(EPA 300.0 or SM4500 Cl B)	6640
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	5005
GRO+DRO	(EPA SW-846 Method 8015M)	5005
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	10/28/2024
On what date will (or did) the final sampling or liner inspection occur	01/30/2025
On what date will (or was) the remediation complete(d)	01/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	7292
What is the estimated volume (in cubic yards) that will be reclaimed	1080
What is the estimated surface area (in square feet) that will be remediated	7292

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: 04/24/2025

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

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Last sampling notification (C-141N) recorded	425517
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/30/2025
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	1400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	7292
What was the total volume (cubic yards) remediated	1962
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	7292
What was the total volume (in cubic yards) reclaimed	1080
Summarize any additional remediation activities not included by answers (above)	The reclamation for the Pump Jack Reclamation Area measures approximately 1,154 sq ft. A total of 171 cy of soil will be removed during reclamation activities once the pad has been decommissioned in the future per the 19.15.29.13 NMAC Reclamation Requirements.

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.

Reclamation Report

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission No

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

Summary: rhamlet (5/20/2025), The Remediation Closure Plan is Denied. All edge/sidewall samples must be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. If lateral delineation cannot be accomplished due to safety concerns in proximity of the pump jack, a deferral will need to be request for sidewall soil sample locations SW08 and SW21 to leave the contaminants in place.

Go Back

Searches

Operator Data

Hearing Fee Application

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[OCD Main Page](#)

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Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 770626
File Nbr: C 04908

Nov. 08, 2024

WADE DITTRICH
OXY USA INC.
P.O. BOX 4294
HOUSTON, TX 77210

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements
(575) 622-6521

Enclosure

explore

Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 770626
File Nbr: C 04908

Nov. 08, 2024

KELLY LOWERY
ENSOLUM, LLC
601 N. MARIENFIELD ST. STE 400
MIDLAND, TX 79701

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements
(575) 622-6521

Enclosure

explore

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<p>Exploratory*: Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of any proposed pump test, if applicable.</p> <p>Monitoring*: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.</p>	<p>Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p>Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p> <p>Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>	<p>Mine De-Watering: <input type="checkbox"/> Include a plan for Mine De-Watering, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>
--	---	--	---

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Kelly Lowery, Wade Dittrich

Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Kelly Lowery
Applicant Signature

Wade Dittrich
Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:
☒ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 8th day of November 2024, for the State Engineer,

Elizabeth K. Anderson, P.E.

State Engineer

By:

Signature

K. Parekh
Water Resources Manager I

Kashyap Parekh

Print

Title:

Print



FOR USE INTERNAL USE

Application for Permit, Form WR-07 Version 10/02/2024

File No.: C-4908

Tm No.: 770626

Page 3 of 3

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04908 POD1

File Number: C 04908

Trn Number: 770626

page: 1

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.
- LOG The Point of Diversion C 04908 POD1 must be completed and the Well Log filed on or before 11/08/2025.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHROIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 10/31/2024	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 08 day of Nov A.D., 2024

Elizabeth K. Anderson, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH



Trn Desc: C 04908 POD1

File Number: C 04908
Trn Number: 770626

MICHELLE LUJAN GRISHAM
GOVERNOR



ELIZABETH K. ANDERSON, P.E.
STATE ENGINEER

State of New Mexico
Office of the State Engineer

DISTRICT 2 OFFICE

October 31, 2024

Oxy USA Inc.
P.O. Box 4294
Denver, CO 80206


RE: Well Plugging Plan of Operations for well No. C-4908-POD1

Greetings:

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

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

Sincerely,


Kashyap Parekh
Water Resources Manager I

1900 WEST SECOND STREET, ROSWELL, NM 88201
(575) 622/6521 FAX (575) 623-8559

WWW.OSE.STATE.NM.GOV



Office of the State Engineer State of New Mexico

DISTRICT 2 OFFICE

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

Applicant has identified a well, listed below, to be plugged. West Texas Water Well Service (WD-1184) will perform the plugging.

Permittee: Oxy USA Inc.
NMOSE Permit Number: C-4908-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4908-POD1	6.0 (Borehole)	110.0	Unknown	32° 21' 24.2094"	103° 37' 51.2034"

Specific Plugging Conditions of Approval for Well located in Lea County.

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.
2. Theoretical volume of sealant required for abandonment is approximately 161.5 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 110.0 feet below ground surface (b.g.s.).
3. A Type I/II Portland cement mixed with 5.2 to 6.0 gallons of fresh water per 94-lb sack of cement is approved for the plugging the well.
4. Sealant shall be placed by pumping through a tremie pipe extended to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner

- that displaces the standing water column upwards from below. Tremie pipe may be pulled as necessary to retain minimal submergence in the advancing column of sealant.
5. Should cement “shrinks-back” occur in the well, use of a tremie for topping off is required for cement placement deeper than 20 feet below land surface or if water is present in the casing. The approved sealant for topping off is identified in condition 3. of these Specific Conditions of Approval.
 6. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.
 7. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.
 8. NMOSE witnessing of the plugging of the soil boring hole will not be required.
 9. Any deviation from this plan must obtain an approved variance from this office prior to implementation.
 10. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

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

Witness my hand and seal this 31st day of October 2024

Elizabeth K. Anderson, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Water Resources Manager I





WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

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

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-4908-POD1
 Name of well owner: Oxy USA Inc.
 Mailing address: PO BOX 429 4 County: Harris
 City: Houston State: Texas Zip code: 77210
 Phone number: 575-390-2828 E-mail: wade dittrich@oxy.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: West Texas Water Well Service
 New Mexico Well Driller License No.: WD-1184 Expiration Date: 10/31/2025

IV. WELL INFORMATION: ☐ Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

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

1) GPS Well Location: Latitude: 32 deg, 21 min, 24.2094 sec
 Longitude: -103 deg, 37 min, 51.2034 sec, NAD 83

2) Reason(s) for plugging well(s):

Investigation soil boring to determine groundwater level.

3) Was well used for any type of monitoring program? N/A If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? N/A If yes, provide additional detail, including analytical results and/or laboratory report(s):

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

6) Depth of the well: 110 feet

- 7) Inside diameter of innermost casing: N/A inches.
- 8) Casing material: N/A
- 9) The well was constructed with:
☐ an open-hole production interval, state the open interval: _____
☐ a well screen or perforated pipe, state the screened interval(s): _____
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A
- 11) Was the well built with surface casing? No If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? No If yes, please describe:

- 12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING: ☐ If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

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

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

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

The soil boring will be plugged tremie from bottom to a slurry of Portland TYPE I/II Neat cement in lifts.

- 2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 1.00
- 4) Type of Cement proposed: Type I/II Neat Cement
- 5) Proposed cement grout mix: <6.0 gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: _____ batch-mixed and delivered to the site
X mixed on site

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

N/A

- 8) Additional notes and calculations:

N/A

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

Volumes calculated on an up to an approximate 6" boring.

VIII. SIGNATURE:

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

Kelly Lowery

Signature of Applicant

10/21/2024

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

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

October 2024

Witness my hand and official seal this

31st

day of

Elizabeth K. Anderson P.E.

., New Mexico State Engineer

By: *K. Parekh*
 Kashyap Parekh

Water Resources Manager I

WD-08 Well Plugging Plan
 Version: March 07, 2022
 Page 3 of 5



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

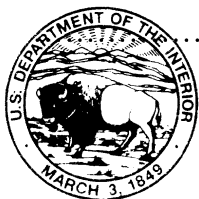
	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	N/A	N/A	0
Bottom of proposed interval of grout placement (ft bgl)	N/A	N/A	100
Theoretical volume of grout required per interval (gallons)	N/A	N/A	50
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	N/A	N/A	<6.0
Mixed on-site or batch-mixed and delivered?	N/A		
Grout additive 1 requested	N/A	N/A	N/A
Additive 1 percent by dry weight relative to cement	N/A	N/A	N/A
Grout additive 2 requested	N/A	N/A	N/A
Additive 2 percent by dry weight relative to cement	N/A	N/A	N/A

USE OF MONE PLAN
31-00-100-811

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

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	N/A	N/A	0
Bottom of proposed sealant or grout placement (ft bgl)	N/A	N/A	10
Theoretical volume of sealant required per interval (gallons)	N/A	N/A	52
Proposed abandonment sealant (manufacturer and trade name)	N/A	N/A	Bariod Hole Plug

USE 01/2/2022
11/24/24-28-11



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, NM 88220-6292

In Reply Refer To:
3162.4 (NM-080)
NMNM002379

September 18, 2024

NM Office of the State Engineer
1900 W. Second St.
Roswell, NM 88201

Re: COVINGTON A FEDERAL 9
Sec 25, TS 22S, RE 32E
Lea County, New Mexico

To Whom It May Concern:

The above well location and the immediate area mentioned above requires advanced soil boring to take place at approximately 110 feet below ground surface. The boring will be secured and left open for 72 hours at which time Oxy USA, Inc will assess for the presence or absence of groundwater. Temporary PVC well material will be placed to total depth of the boring and secured at the surface. If water is encountered at any point during the boring, installation of the soil boring will be plugged using Portland Type 1/11 neat cement less than 6.0 gallons of water per 94lb sack. If no water is encountered, then the soil boring will be plugged. The Bureau of Land Management (landowner) authorizes the access of the area to accomplish depth to groundwater determination of this site.

If you have any questions contact Crisha Morgan, at 575-234-5987.

Sincerely,

CRISHA MORGAN Digitally signed by CRISHA MORGAN
Date: 2024.09.18 09:15:27 -06'00'

Crisha A. Morgan
Certified Environmental Protection Specialist

Well Name: COVINGTON A FEDERAL	Well Location: T22S / R32E / SEC 25 / SESW / 32.356796 / -103.630494	County or Parish/State: LEA / NM
Well Number: 09	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM2379	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002532036	Operator: OXY USA INCORPORATED	

Notice of Intent

Sundry ID: 2810983

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 09/09/2024	Time Sundry Submitted: 12:52
Date proposed operation will begin: 10/09/2024	

Procedure Description: Oxy USA, Inc. (Oxy) requests to advance a soil boring to a depth of approximately 110 feet below ground surface for determination of regional groundwater depth. The soil boring (proposed location 32.356725, -103.630893) will be located on the Oxy Covington A Federal #009 well pad (32.3568, -103.6305) north of the Shell State 1C CTB (Incident ID:nAPP2402456040) Site (GPS Coordinates 32.354063, -103.631131) on BLM surface. The soil boring will be left open for approximately 72 hours to allow for the slow infill of groundwater, if any. Following the 72 hour waiting period, Oxy will assess the boring utilizing a water level meter to confirm the presence or absence and depth to groundwater in the soil boring. Following the 72 hour waiting period, the soil boring will be backfilled following the approved New Mexico Office of the State Engineer plugging procedures. A site map and kmz depicting the location of the Site and the proposed soil boring location are included with this Form 3160-5.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- DTW_Proposed_Boring_Map_20240909124343.pdf
 - Form_3160_5___Shell_State_1C_CTB_20240909124343.pdf
 - Shell_State_1C_CTB_DTW_Proposed_Boring_20240909124343.kmz

Well Name: COVINGTON A FEDERAL

Well Location: T22S / R32E / SEC 25 / SESW / 32.356796 / -103.630494

County or Parish/State: LEA / NM

Well Number: 09

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM2379

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002532036

Operator: OXY USA INCORPORATED

Conditions of Approval

Specialist Review

20240918_COVINGTON_A_FEDERAL_9_St_Engineer_Office_drilling_approval_20240918091613.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: WADE DITTRICH

Signed on: SEP 09, 2024 12:45 PM

Name: OXY USA INCORPORATED

Title: Environmental Advisor

Street Address: 5 GREENWAY PLAZA SUITE 110

City: HOUSTONState: TX

Phone: (575) 390-2828

Email address: WADE_DITTRICH@OXY.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CRISHA A MORGAN

BLM POC Title: Environmental Protection Specialist

BLM POC Phone: 5752345987

BLM POC Email Address: camorgan@blm.gov

Disposition: Approved

Disposition Date: 09/18/2024

Signature: CRISHA A. MORGAN



C-4908-POD1 (SB-1)

ENSOLUM

PROJECT NUMBER 03B1417144	DRILLING DATE 12/09/2024 - 12/09/2024	COORDINATES 32.354063, -103.631131
PROJECT NAME Shell State 1C CTB	TOTAL DEPTH 110' BGS	COORD SYS N/A
CLIENT Oxy USA, Inc	DIAMETER 6.25"	COMPLETION Plugged after 72 hrs
ADDRESS PO Box 4294 Houston, Texas 77210	CASING Temporary 2" PVC.	SURFACE ELEVATION N/A
LICENCE NO. WD-1184	SCREEN 10'	WELL TOC N/A

COMMENTS Temporary casing removed after 72 hours. The borehole was backfilled with cuttings (3' - 110') and plugged with Quikrete (0 - 3') 72 hours after drilling. No water was encountered.	LOGGED BY Nicolas Christakos CHECKED BY Kelly Lowery
--	---

Depth (ft)	Water	Well Diagram	Graphic Log	Material Description
10				Gravelly sand, light brown, some gravel, coarse to large gravel, non-cohesive, non-plastic, non-uniform, dry, no odor
20				Gravelly sand, reddish - grey, few gravel, fine to large gravel, non-cohesive, non-plastic, non-uniform, dry, no odor
30				Gravelly sand, reddish - grey, few gravel, fine to large gravel, non-cohesive, non-plastic, non-uniform, dry, no odor
40				Gravelly sand, reddish-grey, trace gravel, fine to little gravel, non-cohesive, non-plastic, non-uniform, dry, no odor
50				Sand, reddish-brown, fine to very fine, uniform, non-cohesive, non-plastic, dry, no odor
60				Gravelly sand, reddish-brown, trace gravel, fine to very fine, non-uniform, non-cohesive, non-plastic, dry, no odor
70				Sand, reddish-brown, very fine to fine, uniform, non-cohesive, non-plastic, no odor, dry
80				Clayey sand, reddish-brown, very fine to fine, some clay aggregates, oxidized, non-uniform, non-cohesive, non plastic, no odor, dry
90				Clayey sand, reddish-brown, very fine - fine, few clay aggregates, oxidized, non-uniform, non-cohesive, non-plastic, dry, no odor
100				Sandy clay, reddish-brown, trace gravel, coarse - small gravel, loose clay aggregates, non-uniform, non-cohesive, non-plastic, dry, no odor
110				Gravelly clay, reddish-brown, coarse to large gravel, non-uniform, non-cohesive, non-plastic, dry, no odor

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

Page 1 of 1



APPENDIX B

Photographic Log

Project: Covington A Federal #034
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2412336815



View of initial release extent, facing west (07/25/2024).



View of initial release extent, facing northeast (07/25/2024).

Project: Covington A Federal #034
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2412336815



View of excavation extent during remediation activities, facing northeast (10/28/2024).



View of excavation extent during remediation activities, facing southeast (10/28/2024).

Project: Covington A Federal #034
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2412336815



View of excavation extent during remediation activities, facing southeast (10/28/2024).

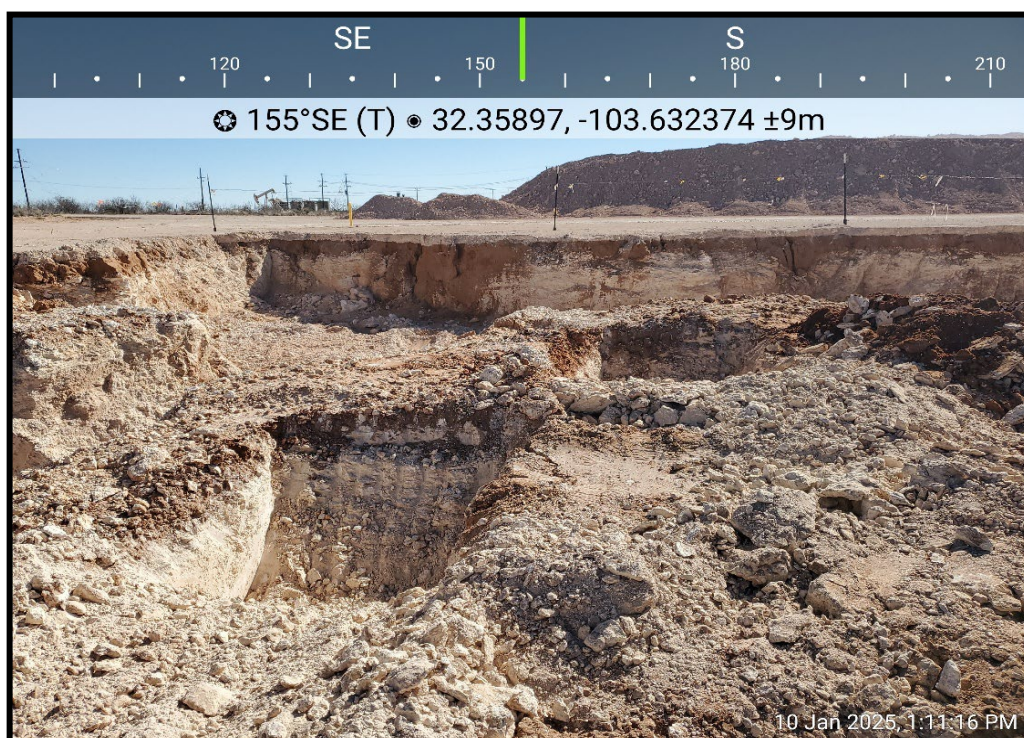


View of excavation extent during remediation activities, facing southwest (10/28/2024).

Project: Covington A Federal #034
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2412336815



View of excavation extent during remediation activities, facing west (01/10/2025).



View of excavation extent during remediation activities, facing southeast (01/10/2025).

Project: Covington A Federal #034
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2412336815



View of excavation extent during remediation activities, facing southeast (01/30/2025).



View of excavation extent post backfill activities, facing west (03/07/2025).

Project: Covington A Federal #034
Entity: Oxy USA, Inc.
NMOCD Incident ID: nAPP2412336815



View of excavation extent post backfill activities, facing east (03/07/2025).



View of excavation extent post backfill activities, facing southwest (03/07/2025).



APPENDIX C

Laboratory Analytical Reports & Chain-of-Custody Documentation



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

November 04, 2024

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

RE: COVINGTON A FEDERAL #034

Enclosed are the results of analyses for samples received by the laboratory on 10/30/24 9:28.

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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 01 8 (H246599-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.36	106	6.00	4.42		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	144	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	183	91.7	200	1.83	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	174	86.8	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 02 8 (H246599-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEx	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	183	91.7	200	1.83	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	174	86.8	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 03 8 (H246599-03)

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	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEx	<0.300	0.300	11/02/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	183	91.7	200	1.83	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	174	86.8	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 04 8 (H246599-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEX	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	64.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 05 8 (H246599-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEX	<0.300	0.300	11/02/2024	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	48.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 06 8 (H246599-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEX	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 07 8 (H246599-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEX	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	192	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 08 8 (H246599-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEx	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 09 8 (H246599-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEx	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 01 0-4 (H246599-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99		
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42		
Total BTEX	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 01 4-8 (H246599-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.01	100	2.00	2.99	
Toluene*	<0.050	0.050	11/02/2024	ND	2.06	103	2.00	3.05	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.15	108	2.00	4.27	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.36	106	6.00	4.42	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	624	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 02 0-4 (H246599-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	96.0	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 02 4-8 (H246599-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	400	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 66.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 03 0-4 (H246599-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	256	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 03 4-8 (H246599-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56		
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147		
Total BTEX	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1470	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.2 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 04 0-4 (H246599-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	960	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.9 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 04 4-8 (H246599-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1070	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 05 0-4 (H246599-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	272	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 05 4-8 (H246599-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEx	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	48.0	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 06 0-4 (H246599-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	48.0	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 06 4-8 (H246599-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	16.0	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 74.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 07 0-4 (H246599-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56	
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147	
Total BTEX	<0.300	0.300	11/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	16.0	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.1 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 07 4-8 (H246599-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2024	ND	1.99	99.6	2.00	1.56		
Toluene*	<0.050	0.050	11/02/2024	ND	2.08	104	2.00	0.129		
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	0.456		
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.46	108	6.00	0.147		
Total BTEX	<0.300	0.300	11/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	880	16.0	11/01/2024	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	10/31/2024	ND	205	103	200	0.986	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	188	94.0	200	0.800	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 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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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Kelly Lowery
Address: 601 N Marland Street, STE 400
City: Midland State: TX Zip: 79701
Phone #: 214-733-3165 Email: Klowery@ensolum.com
Project #: 03844479-UN 038447178 Project Owner:
Project Name: Covington A Federal #034
Project Location: Lea County, NM
Sampler Name: Leah Nunez

P.O. #: Company: OXY
Attn: Wade Dittich
Address:
City:
State: Zip:
Phone #:
Email:

FOR LAB USE ONLY
Lab I.D. Sample I.D. Sample Depth (feet)
H4U599 F501 8
F502 8
F503 8
F504 8
F505 8
F506 8
F507 8
F508 8
F509 8
(G)RAB OR (C)OMP.
CONTAINERS
MATRIX
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL
OTHER :
DATE
TIME
PRESERV.
SAMPLING

BTX 8021B
TPH 8015M
CHLORIDE 4500

Relinquished By: [Signature]
Date: 10/29/24
Time: 1630
Received By: [Signature]
Date: 10/30/24
Time: 0908
Observed Temp. °C: 1.0
Corrected Temp. °C: 1.0
Sample Condition
Cool Intact
Yes ☒ No ☐
CHECKED BY (Initials): [Signature]
Thermometer ID #413
Correction Factor 0.5°C
Standard ☐ Bacteria (only) Sample Condition
Rush ☒ Cool Intact ☐ Observed Temp. °C
Corrected Temp. °C

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	BTX 8021B	TPH 8015M	CHLORIDE 4500										
1	F501	8	C	1	X			10/28/24	1030	X	X	X								
2	F502	8	C	1	X			1032	X	X	X									
3	F503	8	C	1	X			1034	X	X	X									
4	F504	8	C	1	X			1036	X	X	X									
5	F505	8	C	1	X			1038	X	X	X									
6	F506	8	C	1	X			1040	X	X	X									
7	F507	8	C	1	X			1042	X	X	X									
8	F508	8	C	1	X			1044	X	X	X									
9	F509	8	C	1	X			1046	X	X	X									

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Relinquished By: [Signature]
Date: 10/29/24
Time: 1630
Received By: [Signature]
Date: 10/30/24
Time: 0908
Observed Temp. °C: 1.0
Corrected Temp. °C: 1.0
Sample Condition
Cool Intact
Yes ☒ No ☐
CHECKED BY (Initials): [Signature]
Thermometer ID #413
Correction Factor 0.5°C
Standard ☐ Bacteria (only) Sample Condition
Rush ☒ Cool Intact ☐ Observed Temp. °C
Corrected Temp. °C

Relinquished By: [Signature]
Date: 10/29/24
Time: 1630
Received By: [Signature]
Date: 10/30/24
Time: 0908
Observed Temp. °C: 1.0
Corrected Temp. °C: 1.0
Sample Condition
Cool Intact
Yes ☒ No ☐
CHECKED BY (Initials): [Signature]
Thermometer ID #413
Correction Factor 0.5°C
Standard ☐ Bacteria (only) Sample Condition
Rush ☒ Cool Intact ☐ Observed Temp. °C
Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

2043

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

3.6.5

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC

P.O. #:

Project Manager: Kelly Lowery

Company: OXY

Address: 601 N Marland Street, STE 400

Attn: Wade Dittrich

City: Midland State: TX Zip: 79701

Address:

Phone #: 214-733-3165

City:

Project #: 038444479-0581417179

State: Zip:

Project Name: Covington A Federal #034

Project Location: Lea County, NM

Sampler Name: Leah Nunez

FOR LAB USE ONLY

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

TIME

BTEX 8021B

TPH 8015M

CHLORIDE 4500

H440599

20

21

22

23

SW06

0-4

1

1

X

SW06

4-8

1

1

X

SW07

0-4

1

1

X

SW07

4-8

1

1

X

SW07

4-8

1

1

X

SW07

4-8

1

1

X

SW07

4-8

1

1

X

SW07

4-8

1

1

X



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

November 04, 2024

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

RE: COVINGTON A FEDERAL #034

Enclosed are the results of analyses for samples received by the laboratory on 10/30/24 9:28.

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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 10 6' (H246600-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	928	16.0	11/01/2024	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	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 11 6' (H246600-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	288	16.0	11/01/2024	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	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 12 6' (H246600-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	6640	16.0	11/01/2024	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	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	29.6	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 13 6' (H246600-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	3680	16.0	11/01/2024	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	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 14 6' (H246600-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	432	16.0	11/01/2024	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	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 15 6' (H246600-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	800	16.0	11/01/2024	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	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 16 6' (H246600-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	128	16.0	11/01/2024	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	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	16.2	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 17 6' (H246600-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	816	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 18 6' (H246600-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 08 0-4 (H246600-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5280	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 08 4-6 (H246600-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	992	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 09 0-4 (H246600-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	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	352	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 09 4-6 (H246600-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 10 0-4 (H246600-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 10 4-6 (H246600-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	272	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 11 0-4 (H246600-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	48.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 11 4-6 (H246600-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46	
Total BTEx	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 12 0-4 (H246600-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	112	16.0	11/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 12 4-6 (H246600-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEX	<0.300	0.300	11/01/2024	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	128	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 19 11' (H246600-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.85	92.3	2.00	9.28		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.3	2.00	8.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	1.96	98.1	2.00	6.83		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	5.83	97.2	6.00	6.46		
Total BTEx	<0.300	0.300	11/01/2024	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	80.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	202	101	200	0.306	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	184	91.9	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 20 11' (H246600-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEx	<0.300	0.300	11/01/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 21 11' (H246600-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 22 11' (H246600-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	80.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 23 11' (H246600-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	128	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 24 11' (H246600-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65	
Total BTEX	<0.300	0.300	11/01/2024	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	48.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 25 11' (H246600-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	64.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 26 11' (H246600-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	80.0	16.0	11/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 27 11' (H246600-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEx	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 13 0-4 (H246600-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	208	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 13 4-11 (H246600-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 14 0-4 (H246600-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 14 4-11 (H246600-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	128	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 15 0-4 (H246600-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	816	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 15 4-11 (H246600-34)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	96.0	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 16 0-4 (H246600-35)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	304	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 16 4-11 (H246600-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	32.0	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 17 0-4 (H246600-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	96.0	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 17 4-11 (H246600-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEx	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	304	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 18 0-4 (H246600-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29		
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65		
Total BTEX	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	224	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 18 4-11 (H246600-40)

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.89	94.3	2.00	7.29	
Toluene*	<0.050	0.050	11/01/2024	ND	1.93	96.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.06	103	2.00	2.80	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.15	102	6.00	2.65	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	240	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	201	100	200	2.69	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	203	102	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 19 0-4 (H246600-41)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54	QM-07
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68	QM-07
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77	QM-07
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51	QM-07
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	96.0	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 19 4-11 (H246600-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54		
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51		
Total BTEx	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	320	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 20 0-3 (H246600-43)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54	
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	320	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 21 0-3 (H246600-44)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54	
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	832	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 28 3' (H246600-45)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54	
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51	
Total BTX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1340	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	1850	50.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	368	50.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 29 3' (H246600-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54	
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51	
Total BTEx	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	576	16.0	11/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	729	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	134	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 30 3' (H246600-47)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54	
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51	
Total BTEX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	3920	16.0	11/01/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	16.8	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.6 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 31 3' (H246600-48)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54	
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51	
Total BTX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	11/01/2024	ND	416	104	400	7.41	QM-07	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	4120	50.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	885	50.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 32 3' (H246600-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54		
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51		
Total BTEX	<0.300	0.300	11/01/2024	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	1650	16.0	11/01/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	293	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	58.1	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 62.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 33 3' (H246600-50)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54		
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51		
Total BTEX	<0.300	0.300	11/01/2024	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	320	16.0	11/01/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	63.5	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 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: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 34 3' (H246600-51)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54	
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51	
Total BTX	<0.300	0.300	11/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/01/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	208	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	27.3	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 35 3' (H246600-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54		
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51		
Total BTEx	<0.300	0.300	11/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1870	16.0	11/01/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2024
 Reported: 11/04/2024
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 10/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 36 3' (H246600-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2024	ND	2.10	105	2.00	6.54		
Toluene*	<0.050	0.050	11/01/2024	ND	2.17	109	2.00	5.68		
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.11	106	2.00	5.77		
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.67	111	6.00	5.51		
Total BTEX	<0.300	0.300	11/01/2024	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	1730	16.0	11/01/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	218	109	200	2.20	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	208	104	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Caley D. Keene".

Caley D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1 of 6

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST									
Project Manager: Kelly Lowery		P.O. #:											
Address: 601 N Marientfeld Street, STE 400		Company: OXY											
City: Midland State: TX Zip: 79701		Attn: Wade Dittrich											
Phone #: 214-733-3165 Email: klowery@ensolum.com		Address:											
Project #: 08B4417179 LN 03B1417178 Project Owner:		City:											
Project Name: Covington A Federal #034		State: Zip:											
Project Location: Lea County, NM		Phone #:											
Sampler Name: Leah Nunez		Email:											
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING							
								00					

[illegible]

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Relinquished By:		Date:	Received By:	Verbal Result:	Add'l Phone #:
[Signature]		10/25/14	[Signature]	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Time: 1630				All Results are emailed. Please provide Email address: klowery@ensolum.com / Bjennings@ensolum.com	
Relinquished By:		Date:	Received By:	REMARKS: Paykey/A/E/NonAFE:	
[Signature]		10-30-14	[Signature]	Page # on order incorrect should be 178	
Time: 0928					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials)	Thermometer ID Correction Factor
		1.00 1.00		[Signature]	#113 #140 -0.00
					Standard <input type="checkbox"/> Bacteria (only) Sample Condition Rush <input checked="" type="checkbox"/> Cool Intact Observed Temp. °C
					<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

206

Company Name: Ensolum, LLC										P.O. #:										ANALYSIS REQUEST																																																	
Project Manager: Kelly Lowery										Company: OXY																																																											
Address: 601 N Marientfeld Street, STE 400										Attn: Wade Dittrich																																																											
City: Midland State: TX Zip: 79701										Address:																																																											
Phone #: 214-733-3165 Email: klowery@ensolum.com										City:																																																											
Project #: 03B444779 W 03B417178 Project Owner:										State:																																																											
Project Name: Covington A Federal #034										Zip:																																																											
Project Location: Lea County, NM										Phone #:																																																											
Sampler Name: Leah Nunez										Email:																																																											
FOR LAB USE ONLY										PRESERV.										SAMPLING																																																	
Lab I.D.										Sample Depth (feet)										MATRIX																																																	
										(G)RAB OR (C)OMP.										GROUNDWATER																																																	
										# CONTAINERS										WASTEWATER																																																	
																				SOIL																																																	
																				OIL																																																	
																				SLUDGE																																																	
																				OTHER :																																																	
																				ACID/BASE:																																																	
																				ICE / COOL																																																	
																				OTHER :																																																	
										DATE										TIME																																																	
H444000										0-4										10/6/14 08:48										BTEX 8021B										TPH 8015M										CHLORIDE 4500																			
10										SW08										1										0850										X										X										X									
12-11										4-6										1										0852										X										X										X									
12										SW09										1										0854										X										X										X									
13										4-6										1										0856										X										X										X									
14										SW10										1										0858										X										X										X									
15										4-6										1										0900										X										X										X									
16										SW11										1										0902										X										X										X									
17										4-6										1										0904										X										X										X									
18										SW12										1										0906										X										X										X									
19										4-6										1										10/6/14 0906										X										X										X									
20										SW13										1																																																	
21										4-6										1																																																	
22										SW14										1																																																	
23										4-6										1																																																	
24										SW15										1																																																	
25										4-6										1																																																	
26										SW16										1																																																	
27										4-6										1																																																	
28										SW17										1																																																	
29										4-6										1																																																	
30										SW18										1																																																	
31										4-6										1																																																	
32										SW19										1																																																	
33										4-6										1																																																	
34										SW20										1																																																	
35										4-6										1																																																	
36										SW21										1																																																	
37										4-6										1																																																	
38										SW22										1																																																	
39										4-6										1																																																	
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44										SW25										1																																																	
45										4-6										1																																																	
46										SW26										1																																																	
47										4-6										1																																																	
48										SW27										1																																																	
49										4-6										1																																																	
50										SW28										1																																																	
51										4-6										1																																																	
52										SW29										1																																																	
53										4-6										1																																																	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N Marientfield Street, STE 400

City: Midland State: TX Zip: 79701

Phone #: 214-733-3165 Email: klowery@ensolum.com

Project #: 03B4447479-LN 03B1417179 Project Owner:

Project Name: Covington A Federal #034

Project Location: Lea County, NM

Sampler Name: Leah Nunez

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: OXY

Attn: Wade Dittich

Address:

City:

State: Zip:

Phone #:

Email:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

MATRIX

PRESERV.

SAMPLING

DATE

TIME

BTEX 8021B

TPH 8015M

CHLORIDE 4500

20	ES19	11'	C1	X	10/24/24	1130	X	X	X										
21	ES20	11'	C1	X	10/24/24	1132	X	X	X										
22	ES21	11'	C1	X	10/24/24	1134	X	X	X										
23	ES22	11'	C1	X	10/24/24	1136	X	X	X										
24	ES23	11'	C1	X	10/24/24	1138	X	X	X										
25	ES24	11'	C1	X	10/24/24	1140	X	X	X										
26	ES25	11'	C1	X	10/24/24	1142	X	X	X										
27	ES26	11'	C1	X	10/24/24	1144	X	X	X										
28	ES27	11'	C1	X	10/24/24	1146	X	X	X										

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Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Received By:

Date:

Time:

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Date:

Time:

Received By:

Date:

Time:

Received By:

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Received By:

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Date:

Time:

Received By:

Date:

Time:

Received By:

Date:

Time:

Received By:

Date:

Time:

Received By:

Date:

Time:

Received By:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Yes

No

Checked By: (Initials)

Turnaround Time: 3 day

Standard

Bacteria (only) Sample Condition

Thermometer ID: #140

Correction Factor: -0.5°C

Observed Temp. °C

Yes

No

Yes

No

Corrected Temp. °C

Yes

No

Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

January 20, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: COVINGTON A FEDERAL #034

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 11:56.

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 #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 15 0-4'	H250134-01	Soil	10-Jan-25 09:59	13-Jan-25 11:56
FS 28 5	H250134-02	Soil	10-Jan-25 12:42	13-Jan-25 11:56
FS 29 5	H250134-03	Soil	10-Jan-25 12:45	13-Jan-25 11:56
FS 30 5	H250134-04	Soil	10-Jan-25 12:49	13-Jan-25 11:56
FS 31 5	H250134-05	Soil	10-Jan-25 12:50	13-Jan-25 11:56
FS 32 4	H250134-06	Soil	10-Jan-25 12:12	13-Jan-25 11:56
FS 34 5	H250134-07	Soil	10-Jan-25 11:36	13-Jan-25 11:56
FS 35 5	H250134-08	Soil	10-Jan-25 11:39	13-Jan-25 11:56
FS 36 5	H250134-09	Soil	10-Jan-25 11:40	13-Jan-25 11:56

01/20/25 - Client changed the sample depth on -01 (see COC). This is the revised report and will replace the one sent on 01/16/25.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: COVINGTON A FEDERAL #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

SW 15 0-4'
H250134-01 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	352		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134 5011401 JH 14-Jan-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	

Surrogate: 1-Chlorooctane 82.9 % 48.2-134 5011321 MS 13-Jan-25 8015B

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148 5011321 MS 13-Jan-25 8015B

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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: COVINGTON A FEDERAL #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

FS 28 5
H250134-02 (Soil)

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

Chloride	1390		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134 5011401 JH 14-Jan-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	

Surrogate: 1-Chlorooctane 82.5 % 48.2-134 5011321 MS 13-Jan-25 8015B

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148 5011321 MS 13-Jan-25 8015B

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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: COVINGTON A FEDERAL #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

FS 29 5
H250134-03 (Soil)

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

Chloride	1360		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134 5011401 JH 14-Jan-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	

Surrogate: 1-Chlorooctane 87.9 % 48.2-134 5011321 MS 13-Jan-25 8015B

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148 5011321 MS 13-Jan-25 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 #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

FS 30 5
H250134-04 (Soil)

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

Chloride	592		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	5011401	JH	14-Jan-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B

Surrogate: 1-Chlorooctane	90.7 %	48.2-134	5011321	MS	13-Jan-25	8015B
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Surrogate: 1-Chlorooctadecane	87.8 %	49.1-148	5011321	MS	13-Jan-25	8015B
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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: COVINGTON A FEDERAL #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

FS 31 5
H250134-05 (Soil)

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

Chloride	1600		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 5011401 JH 14-Jan-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
DRO >C10-C28*	11.9		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	

Surrogate: 1-Chlorooctane 94.9 % 48.2-134 5011321 MS 13-Jan-25 8015B

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148 5011321 MS 13-Jan-25 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 #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

FS 32 4
H250134-06 (Soil)

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

Chloride	512		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	5011401	JH	14-Jan-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B

Surrogate: 1-Chlorooctane	77.2 %	48.2-134	5011321	MS	13-Jan-25	8015B
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Surrogate: 1-Chlorooctadecane	77.1 %	49.1-148	5011321	MS	13-Jan-25	8015B
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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: COVINGTON A FEDERAL #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

FS 34 5
H250134-07 (Soil)

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

Chloride	912		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134 5011401 JH 14-Jan-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	

Surrogate: 1-Chlorooctane 89.3 % 48.2-134 5011321 MS 13-Jan-25 8015B

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148 5011321 MS 13-Jan-25 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 #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

FS 35 5
H250134-08 (Soil)

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

Chloride	1120		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		5011401	JH	14-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.3 %	48.2-134		5011321	MS	13-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.9 %	49.1-148		5011321	MS	13-Jan-25	8015B	
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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: COVINGTON A FEDERAL #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

FS 36 5
H250134-09 (Soil)

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

Chloride	912		16.0	mg/kg	4	5011329	HM	13-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5011401	JH	14-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5011401	JH	14-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		5011401	JH	14-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5011321	MS	13-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.9 %	48.2-134		5011321	MS	13-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.1 %	49.1-148		5011321	MS	13-Jan-25	8015B	
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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: COVINGTON A FEDERAL #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5011329 - 1:4 DI Water									
Blank (5011329-BLK1)				Prepared & Analyzed: 13-Jan-25					
Chloride	ND	16.0	mg/kg						
LCS (5011329-BS1)				Prepared & Analyzed: 13-Jan-25					
Chloride	432	16.0	mg/kg	400		108	80-120		
LCS Dup (5011329-BSD1)				Prepared & Analyzed: 13-Jan-25					
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20

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Analytical Results For:

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

Project: COVINGTON A FEDERAL #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 5011401 - Volatiles**Blank (5011401-BLK1)**

Prepared & Analyzed: 14-Jan-25

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)	0.0531		mg/kg	0.0500		106	71.5-134			

LCS (5011401-BS1)

Prepared & Analyzed: 14-Jan-25

Benzene	1.76	0.050	mg/kg	2.00		88.2	82.8-130			
Toluene	1.98	0.050	mg/kg	2.00		99.2	86-128			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128			
m,p-Xylene	4.22	0.100	mg/kg	4.00		105	89-129			
o-Xylene	2.08	0.050	mg/kg	2.00		104	86.1-125			
Total Xylenes	6.29	0.150	mg/kg	6.00		105	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

LCS Dup (5011401-BSD1)

Prepared & Analyzed: 14-Jan-25

Benzene	1.93	0.050	mg/kg	2.00		96.7	82.8-130	9.20	15.8	
Toluene	2.11	0.050	mg/kg	2.00		106	86-128	6.36	15.9	
Ethylbenzene	2.24	0.050	mg/kg	2.00		112	85.9-128	5.38	16	
m,p-Xylene	4.48	0.100	mg/kg	4.00		112	89-129	6.03	16.2	
o-Xylene	2.21	0.050	mg/kg	2.00		111	86.1-125	6.39	16.7	
Total Xylenes	6.69	0.150	mg/kg	6.00		112	88.2-128	6.15	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0533		mg/kg	0.0500		107	71.5-134			

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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 #034
Project Number: 03B1417178
Project Manager: KELLY LOWERY
Fax To:

Reported:
20-Jan-25 17:01

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 5011321 - General Prep - Organics**Blank (5011321-BLK1)**

Prepared & Analyzed: 13-Jan-25

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	49.0		mg/kg	50.0		98.1	48.2-134			
Surrogate: 1-Chlorooctadecane	48.4		mg/kg	50.0		96.9	49.1-148			

LCS (5011321-BS1)

Prepared & Analyzed: 13-Jan-25

GRO C6-C10	201	10.0	mg/kg	200		100	81.5-123			
DRO >C10-C28	171	10.0	mg/kg	200		85.5	77.7-122			
Total TPH C6-C28	372	10.0	mg/kg	400		92.9	80.9-121			
Surrogate: 1-Chlorooctane	56.9		mg/kg	50.0		114	48.2-134			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	49.1-148			

LCS Dup (5011321-BSD1)

Prepared & Analyzed: 13-Jan-25

GRO C6-C10	206	10.0	mg/kg	200		103	81.5-123	2.67	13	
DRO >C10-C28	184	10.0	mg/kg	200		92.2	77.7-122	7.51	15.6	
Total TPH C6-C28	391	10.0	mg/kg	400		97.6	80.9-121	4.93	18.5	
Surrogate: 1-Chlorooctane	56.1		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	52.7		mg/kg	50.0		105	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager

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

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST										
Project Manager: Kelly Lowery		P.O. #:												
Address: 601 N. Mainfield St. STE 400		Company: Oxy USA, Inc.												
City: Midland State: TX Zip: 79701		Attn: Wade Dittrich												
Phone #: 254-459-2338 Email: gmcswane@ensolum.com		Address:												
Project #: 03B1417178 Project Owner:		City:												
Project Name: Covington A Federal #034		State: Zip:												
Project Location:		Phone #: (575) 390-2828												
Sampler Name: Kaoru Shinada / Nicolas Christakos		Email: wade_dittrich@oxy.com												
FOR LAB USE ONLY														
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	
1 SW15	0-24'	C 1	X		X									
2 FS28	5	C 1	X		X									
3 FS29	5	C 1	X		X									
4 FS30	5	C 1	X		X									
5 FS31	5	C 1	X		X									
6 FS32	4	C 1	X		X									
7 FS34	5	C 1	X		X									
8 FS35	5	C 1	X		X									
9 FS36	5	C 1	X		X									
	N	E												
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Relinquished By:	Date: 1-13-05	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Addt Phone #:											
Relinquished By:	Date: 1-13-05	Received By:	All Results are emailed. Please provide Email address: klowery@ensolum.com / wade_dittrich@oxy.com											
Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Thermometer ID: #119 #140									
Sampler - UPS - Bus - Other:			Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Correction Factor: -0.5°C -0.0°C									
			<input type="checkbox"/> No <input type="checkbox"/> No		Remarks: Paykey/AFENonAFE: *Customer requested depth 3 Day 1st change 40-11/16/05									



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

February 03, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: COVINGTON A FEDERAL #034

Enclosed are the results of analyses for samples received by the laboratory on 01/30/25 16:10.

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: 01/30/2025
 Reported: 02/03/2025
 Project Name: COVINGTON A FEDERAL #034
 Project Number: 03B1417178
 Project Location: OXY - LEA CO., NM

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 04 (0'-4') (H250580-01)

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	01/31/2025	ND	1.70	85.2	2.00	3.66		
Toluene*	<0.050	0.050	01/31/2025	ND	1.83	91.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.81	90.6	2.00	4.05		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.54	92.3	6.00	4.84		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	432	16.0	01/31/2025	ND	432	108	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	01/31/2025	ND	180	89.9	200	3.06	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	173	86.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/30/2024
 Reported: 10/03/2024
 Project Name: MILLS RANCH PIT
 Project Number: 03B1417139
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

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

BTEX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2024	ND	1.99	99.6	2.00	6.75	
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

Cardinal Laboratories

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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

[illegible]

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 530026

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 530026
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2412336815
Incident Name	NAPP2412336815 COVINGTON A FEDERAL #034 @ 30-025-34705
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-025-34705] COVINGTON A FEDERAL #034

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	COVINGTON A FEDERAL #034
Date Release Discovered	04/29/2024
Surface Owner	Federal

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 Producing Well Crude Oil Released: 7 BBL Recovered: 7 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Producing Well Produced Water Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 530026

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 530026
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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>
<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.</i>	

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: Ensolum Company Email: Oxy_Midland@ensolum.com Date: 11/25/2025
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QUESTIONS, Page 3

Action 530026

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 530026
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (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	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
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)	6640
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5005
GRO+DRO (EPA SW-846 Method 8015M)	5005
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/28/2024
On what date will (or did) the final sampling or liner inspection occur	01/30/2025
On what date will (or was) the remediation complete(d)	01/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	7292
What is the estimated volume (in cubic yards) that will be reclaimed	1080
What is the estimated surface area (in square feet) that will be remediated	7292
What is the estimated volume (in cubic yards) that will be remediated	1962
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 530026

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 530026
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	fEEM0112342028 LEA LAND LANDFILL
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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ensolum Company Email: Oxy_Midland@ensolum.com Date: 11/25/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 530026

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 530026
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	residual impacted soils are directly underneath a currently active pump jack that cannot be deconstructed.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	453
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	67
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-34705 COVINGTON A FEDERAL #034
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ensolum Company Email: Oxy_Midland@ensolum.com Date: 11/25/2025

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QUESTIONS, Page 6

Action 530026

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 530026
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	425517
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/30/2025
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	1400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 530026

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 530026
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Reclamation approval will not take place until the area requested for deferral has been remediated at some point in the future. Reclamation must be completed for the entire incident release area before asking for reclamation approval. OXY's deferral requests final remediation for (Incident Number NAPP2412336815) until final reclamation of the well pad or major construction, whichever comes first. The impacted soil is the area designated as "Deferral Area" on figure 3 that is in close proximity to the pump jack, where remediation would require a major facility deconstruction. Ensolum and OXY do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The area has been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	12/23/2025