



March 31, 2026

**New Mexico Oil Conservation Division**

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

**Re: Deferral Request  
Calmon 35-2 CTB  
Incident Number nAPP2510844012  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA INC (Oxy), has prepared this *Deferral Request* to document excavation, delineation and soil sampling activities performed at Calmon 35-2 CTB (Site). The purpose of the excavation, delineation and soil sampling activities was to address impacted soil resulting from a release of produced water at the Site. Based on field observations, excavation activities, and laboratory analytical results from the soil sampling events, Oxy is submitting this *Deferral Request*, describing remediation that has occurred and requesting deferral of final remediation for Incident Number nAPP2510844012 until the Site is reconstructed, and/or the well pad is abandoned.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit M, Section 26, Township 23 South, Range 31 East, in Eddy County, New Mexico (32.268851°, -103.753469°) and is associated with oil and gas exploration and production operations on private land owned by Oxy.

On April 10, 2025, equipment failure on a water transfer line resulted in a release of approximately 15 barrels (bbls) of produced water onto the pad, with none recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on April 18, 2025. The release was assigned Incident Number nAPP2510844012.

**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).

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (OSE) well C-02348 drilled on October 31, 2013, located approximately 962 feet northeast of the Site. The groundwater well has a total depth of 700 feet below ground surface (bgs) with a depth to water measurement of 430 feet bgs. The well used for depth to groundwater determination is presented on Figure 4. The referenced well record is included in Appendix A.

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 southwest 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 is approximately 962 feet from a 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). Potential 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), TPH-diesel range organics (DRO) and TPH-oil range organics (ORO) : 100 mg/kg
- Chloride: 600 mg/kg

Since the release area is on an active facility pad in an area reasonably needed for production operations and/or drilling operations, no reclamation or re-vegetation was required at this time per 19.15.29.13 D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation. Steps will be taken for reclamation and re-vegetation purposes once the pad is decommissioned in the future.

## EXCAVATION AND DELINEATION ACTIVITIES

Between September 19, 2025, and January 9, 2026, Ensolum personnel were at the Site to oversee delineation and excavation of impacted soil in the area. Excavation activities were performed using a backhoe and transport vehicles and delineation activities were conducted with a backhoe and a core drill. To direct excavation activities, soil was screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID), TPH utilizing a calibrated PetroFLAG<sup>®</sup> Soil Reagents test kit, and chlorides utilizing Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips. The excavation was completed to depths ranging from 0.5 feet to 14 feet bgs. Photographic documentation of the excavation activities is included in Appendix B. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

Following removal of impacted soil to the maximum extent practicable (MEP), 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. Additionally, where floor and/or sidewalls were not feasible for collection due to proximity to active equipment and concerns for structural integrity of the surrounding soils (FS27), representative soil samples were collected for vertical and/or lateral delineation purposes around the excavation extent or surrounding equipment. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite excavation floor soil samples FS01 through FS27 were collected from the floor of the excavation at depths ranging from 0.5 feet to 13 feet bgs. Composite excavation sidewall soil sampled SW01 through SW10 were collected at depths ranging from the ground surface to 10 feet bgs. Lateral delineation soil samples LS01 through LS04 were collected from areas immediately outside of the excavation extent and/or nearby equipment at depths ranging from ground surface to 14 feet bgs. One vertical delineation soil sample (FS27) was collected utilizing a core drill at a depth of 14 feet bgs due to proximity to nearby equipment.

Samples were placed in pre-cleaned glass jars labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH-GRO, TPH-DRO, and TPH-ORO following EPA Method 8015M/D, and chloride following Standard Method SM-4500 Cl-B.

The excavation extent, excavation soil sample locations, and delineation soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 3A and Figure 3B.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the final excavation floor soil samples FS01 through FS27, the final excavation sidewall soil samples SW01 through SW10, with the exception of SW02, and the final lateral delineation soil samples LS01 through LS04 indicated all constituents of concern (COC) concentrations were compliant with the applicable Closure Criteria. Laboratory analytical results are summarized in Table 1 and Table 2 and the complete laboratory analytical reports are included as Appendix D.

The final area for the two excavations measured a total of approximately 5,471 square feet. A total of approximately 515 cubic yards of impacted soil was removed, transported, and properly disposed of at Lea Land Facility in Hobbs, New Mexico. Subsequent to receipt of final laboratory analytical results, the excavation was backfilled with clean fill material (Lea Land Backfill) and recontoured back to original grade. The backfill laboratory analytical results are summarized in Table 3 and the complete laboratory analytical report is included as Appendix D.

## DEFERRAL REQUEST

Excavation activities were conducted at the Site to the MEP to address the April 10, 2025, release of produced water. Laboratory analytical results for all excavation confirmation floor and sidewall soil samples, with the exception of excavation sidewall soil sample SW02, indicated all COC concentrations were compliant with the applicable Table I Closure Criteria. Impacted soil with chloride concentrations that exceed Closure Criteria remain in the release extent where production equipment exists and where soils could not be safely excavated due to structural integrity concerns where there was potential for nearby equipment to be damaged. Lateral and vertical delineation of the residual impacted soil is defined by the delineation soil samples LD01 through LD04 and excavation floor soil samples FS18, FS26, and FS27. An estimated area of impacted soil left in place immediate adjacent to or below active production equipment and utilities measures approximately 3,448 square feet and 1,788 cubic yards. The estimated area of remaining impacted soil and referenced soil sample locations are presented in Figure 3B. Oxy is requesting deferral of final remediation in this area since excavation of the soil would require major facility deconstruction.

Oxy does not believe deferral of the remaining 1,788 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 remediation for Incident Number nAPP2510844012 until final reclamation of the well pad or major construction, whichever comes first.

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

Oxy USA, Inc.  
Deferral Request  
Calmon 35-2 CTB

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Sincerely,  
**Ensolum, LLC**



Kelly Lowery, GIT  
Project Geologist



Beaux Jennings  
Associate Principal

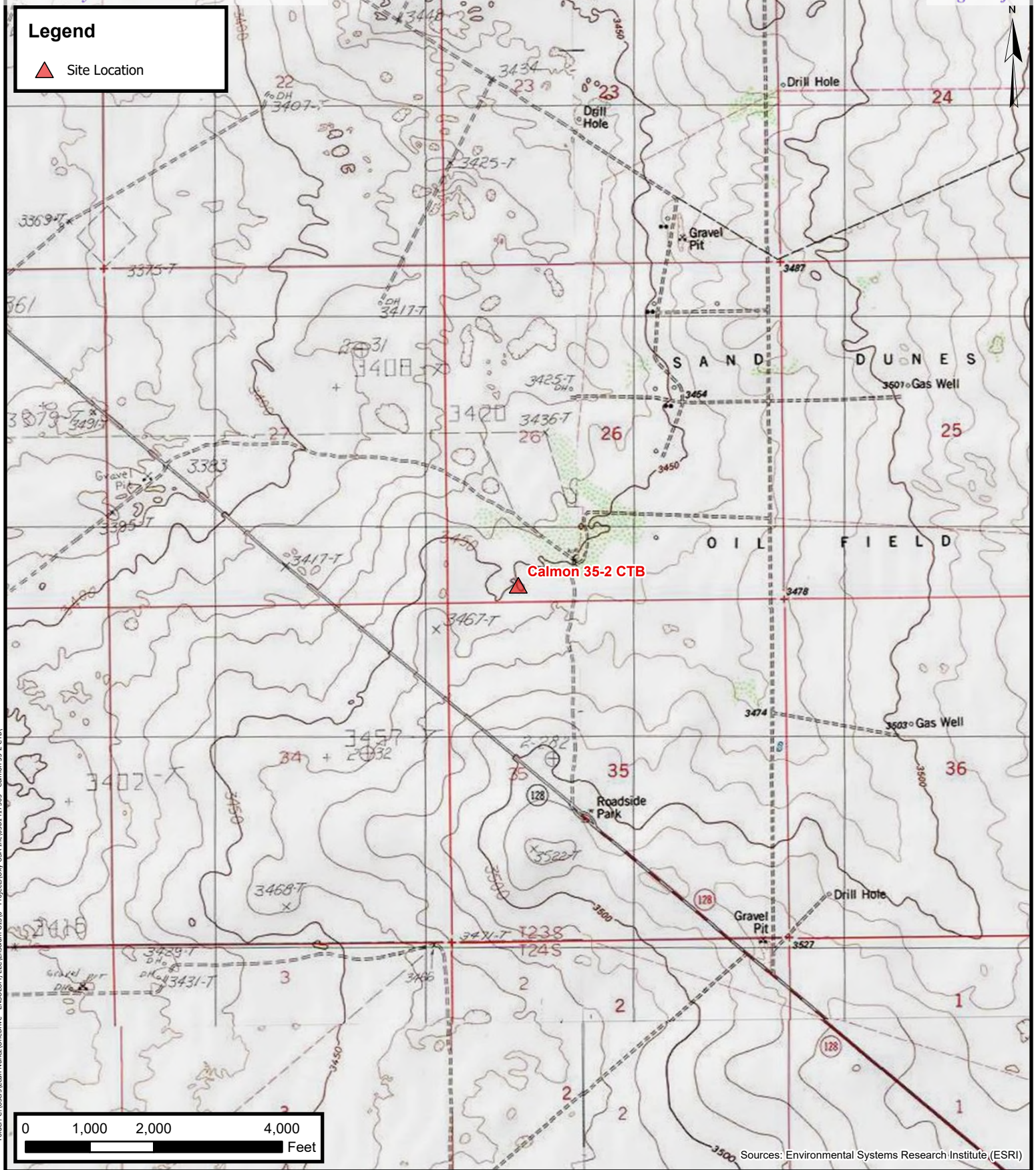
cc: Daniel Sparks, Oxy USA, Inc.

Appendices:

Figure 1	Topographic Map
Figure 2	Site Vicinity Map
Figure 3A	Excavation Site Map
Figure 3B	Area of Requested Deferral
Figure 4	Closure Criteria Map
Table 1	Soil Sample Analytical Results
Table 2	Delineation Soil Sample Analytical Results
Table 3	Backfill Soil Sample Analytical Results
Appendix A	Supporting Documentation
Appendix B	Photographic Log
Appendix C	Lithologic Bore Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES



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# Topographic Map

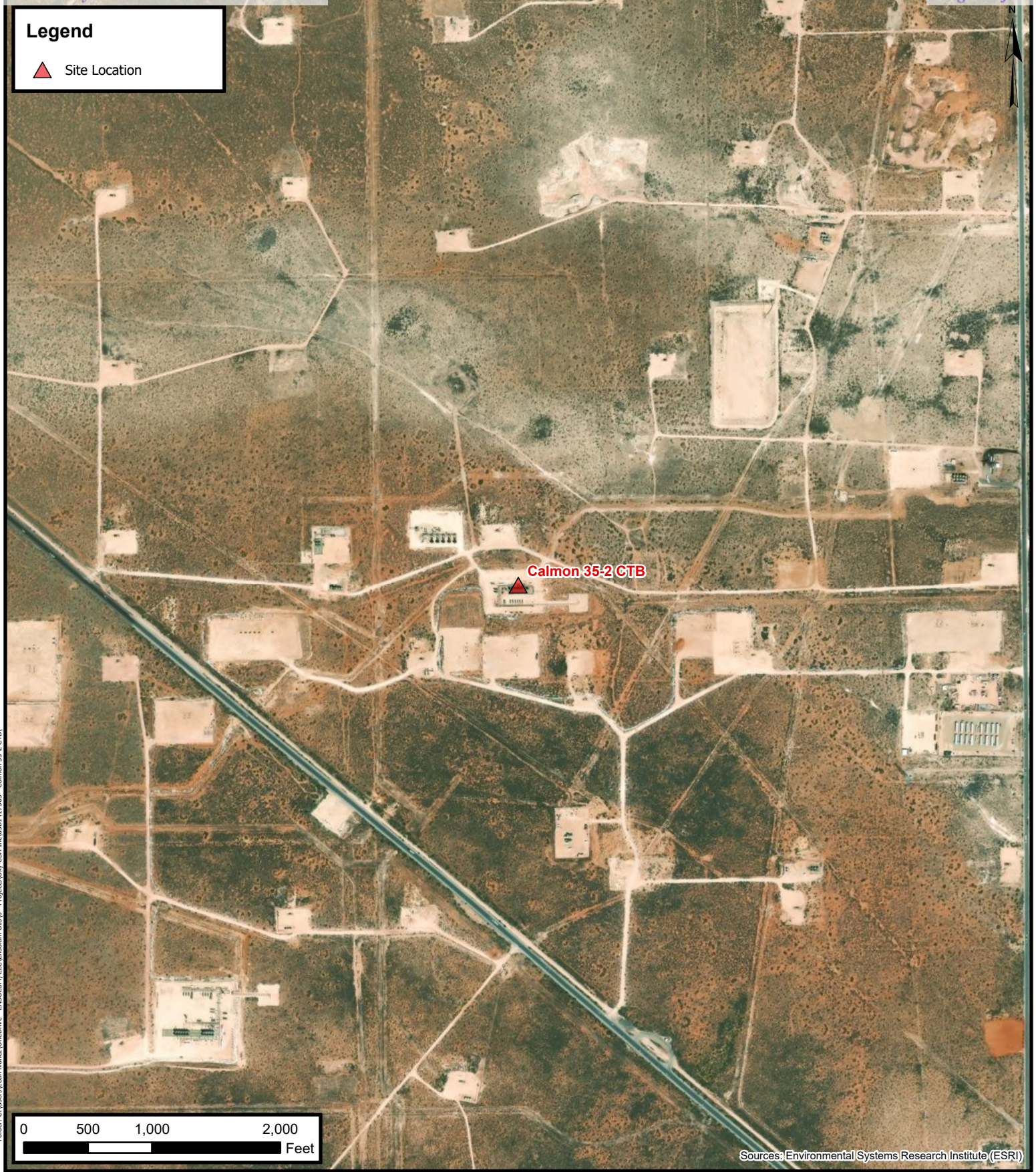
Oxy USA Inc.  
 Calmon 35-2 CTB  
 Project Number: 03B1417305  
 32.268851, -103.753469  
 Eddy County, New Mexico

# FIGURE

# 1

**Legend**

▲ Site Location



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0 500 1,000 2,000 Feet

Sources: Environmental Systems Research Institute (ESRI)



### Site Vicinity Map

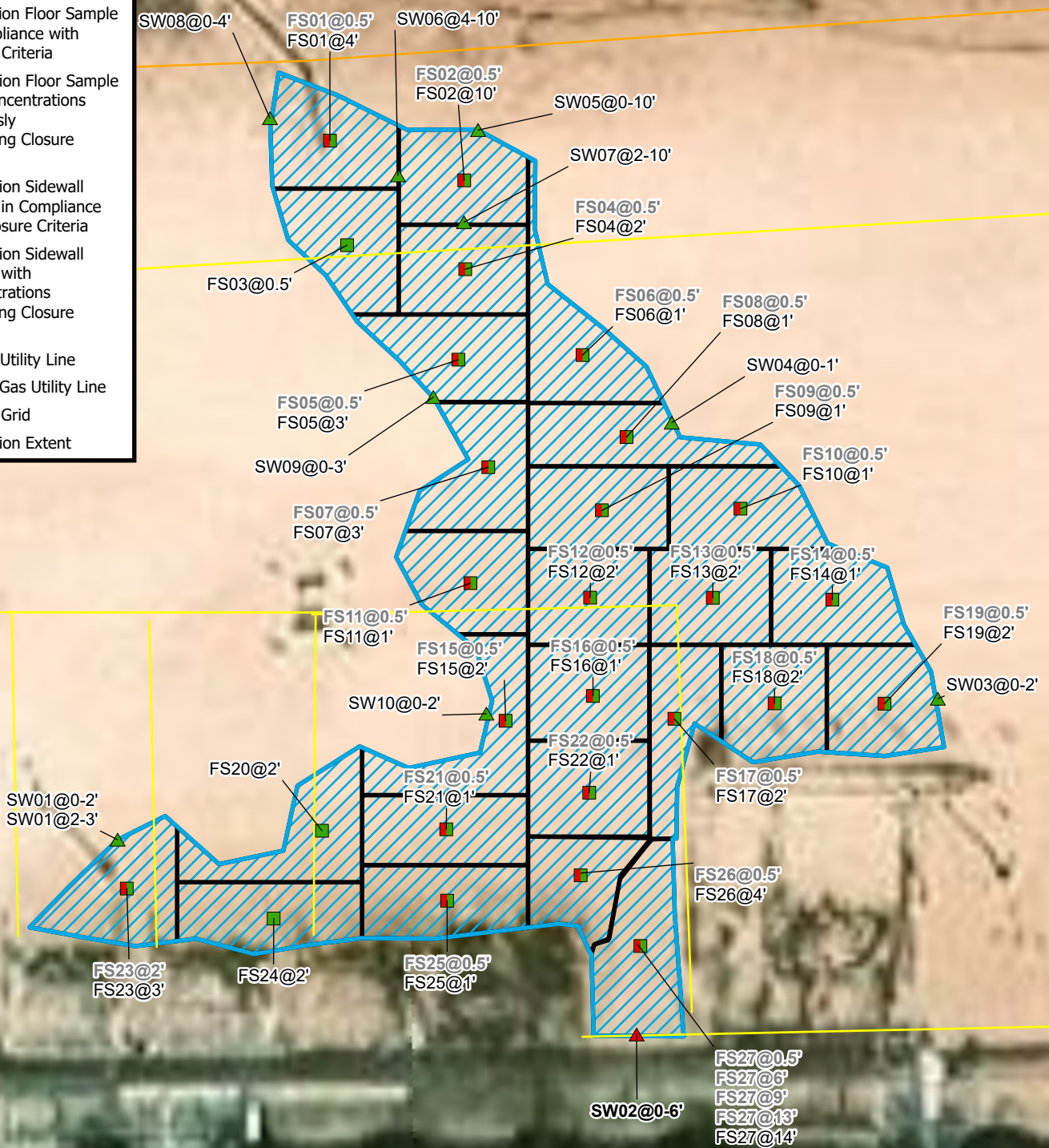
Oxy USA Inc.  
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 Eddy County, New Mexico

### FIGURE

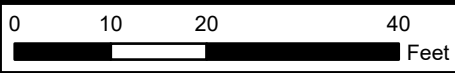
### 2

### Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Floor Sample with Concentrations Previously Exceeding Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample with Concentrations Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Sample Grid
- Excavation Extent



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in **bold** indicate sample exceeded applicable Closure Criteria.  
 Grey text indicate soil sample was removed during excavation activities.



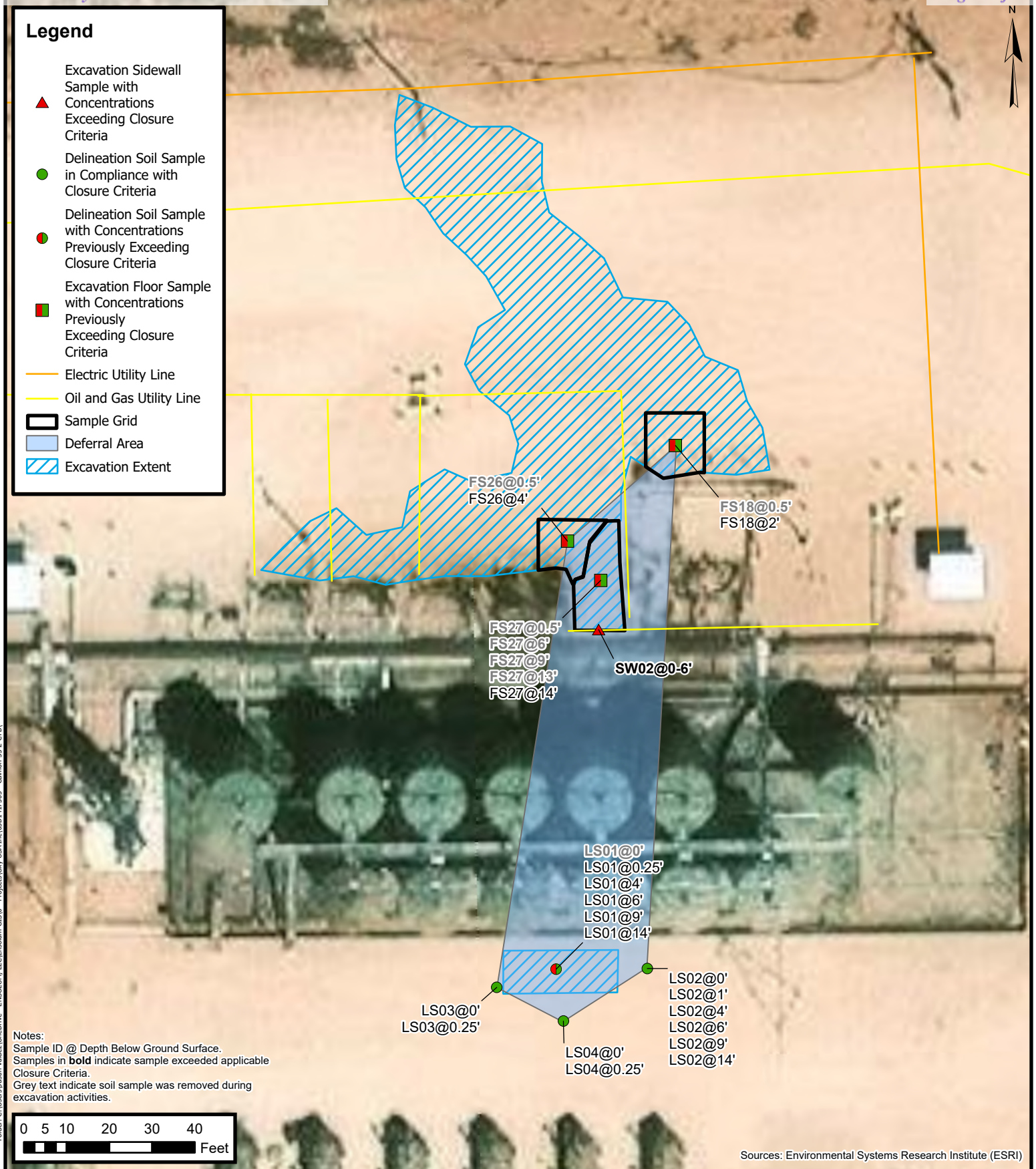
Sources: Environmental Systems Research Institute (ESRI)



## Excavation Site Map

Oxy USA Inc.  
 Calmon 35-2 CTB  
 Project Number: 03B1417305  
 32.268851, -103.753469  
 Eddy County, New Mexico

**FIGURE  
 3A**

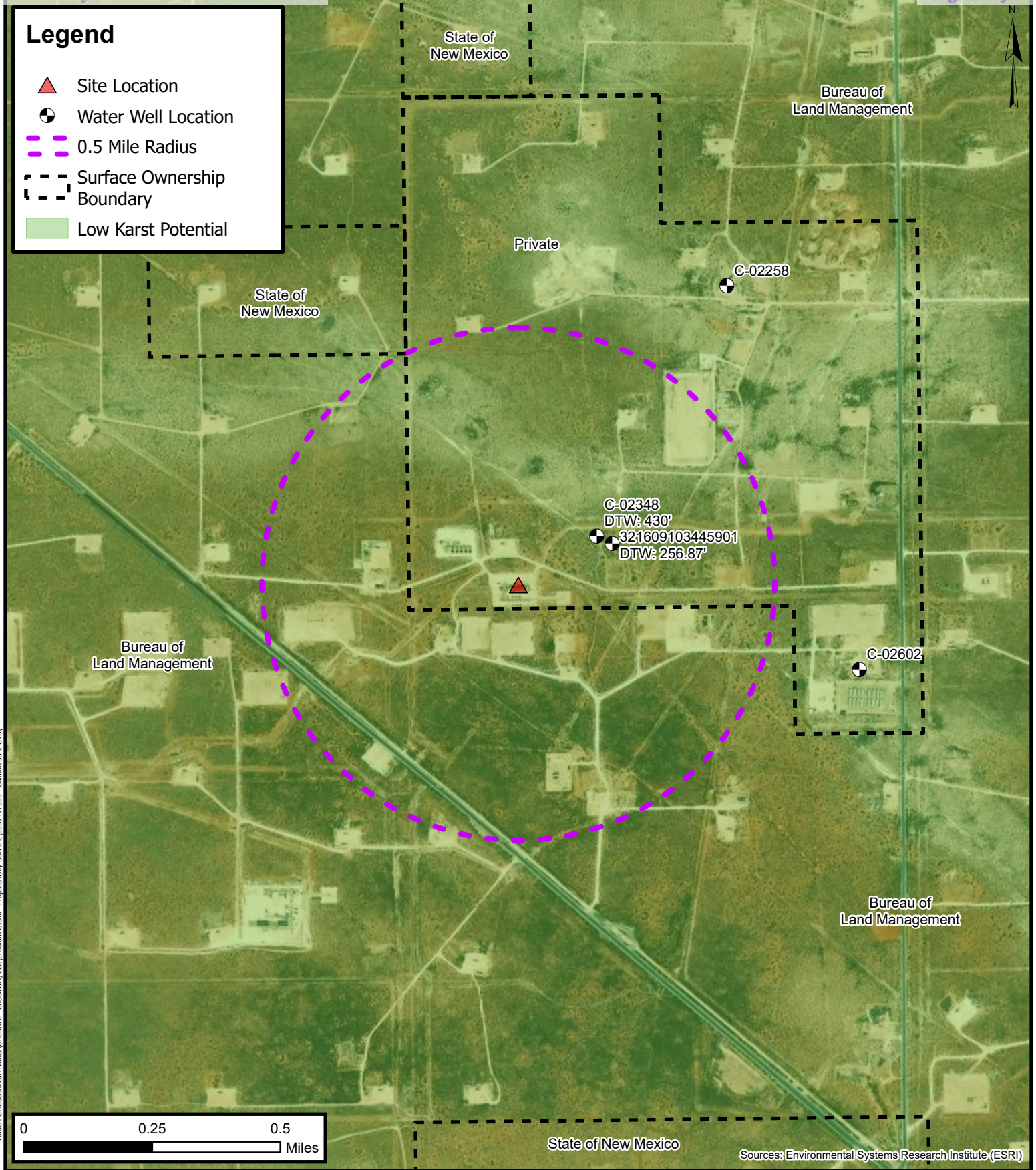


### Area of Requested Deferral

Oxy USA Inc.  
 Calmon 35-2 CTB  
 Project Number: 03B1417305  
 32.268851, -103.753469  
 Eddy County, New Mexico

**FIGURE  
 3B**





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### Closure Criteria Map

Oxy USA Inc.  
 Calmon 35-2 CTB  
 Project Number: 03B1417305  
 32.268851, -103.753469  
 Eddy County, New Mexico

**FIGURE**  
**4**



TABLES

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Calmon 35-2 CTB  
 Oxy USA, Inc.  
 Eddy County, New Mexico

Sample Designation	Date	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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Excavation Floor Soil Samples</b>										
FS01	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,040
	10/17/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS02	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,740
	11/13/2025	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS03	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS04	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
	10/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS05	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
	10/16/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS06	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
	10/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS07	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,560
	10/16/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS08	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
	10/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS09	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,760
	10/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS10	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,040
	11/12/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS11	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,840
	10/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS12	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,920
	11/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Calmon 35-2 CTB  
 Oxy USA, Inc.  
 Eddy County, New Mexico

Sample Designation	Date	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)
<b>NMOCB Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
FS13	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,560
	11/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS14	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,040
	11/12/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS15	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
	11/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS16	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400
	11/12/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS17	09/19/2025	0.5	<0.050	<0.300	<10.0	61.6	442	61.6	204	2,040
	11/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS18	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,840
	11/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS19	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,680
	11/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS20	09/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS21	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,040
	11/12/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS22	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,360
	11/13/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS23	09/19/2025	2	<0.050	<0.300	<10.0	441	45.4	441	486	46.0
	11/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS24	09/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS25	09/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,180
	10/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Calmon 35-2 CTB  
 Oxy USA, Inc.  
 Eddy County, New Mexico

Sample Designation	Date	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)
<b>NMOCDC Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
FS26	09/19/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>832</b>
	11/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS27	09/19/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,260</b>
	11/13/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>608</b>
	12/11/2025	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>656</b>
	12/11/2025	13	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>2,560</b>
	12/30/2025	14	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
<b>Excavation Sidewall Soil Sample</b>										
SW01	09/19/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	11/13/2025	2-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW02	11/13/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,010</b>
SW03	11/13/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW04	11/13/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW05	11/13/2025	0-10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW06	11/13/2025	4-10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW07	11/13/2025	2-10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW08	11/14/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW09	11/13/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW10	11/13/2025	0-2	<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

NE: Not Established

NMOCDC: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Concentrations in **bold** exceed the NMOCDC Table I Closure Criteria or reclamation standard where applicable.

*Grey* text indicates soil sample removed during excavation activities

**TABLE 2**  
**DELINEATION SOIL SAMPLE ANALYTICAL RESULTS**

Calmon 35-2 CTB  
Oxy USA, Inc.  
Eddy County, New Mexico

Sample Designation	Date	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)
<b>NMOCDC Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Lateral Delineation Soil Samples</b>										
LS01	12/30/2025	0	<0.050	<0.300	<10.0	110	13.9	110	124	<16.0
	01/09/2026	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	12/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	12/30/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/31/2025	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/31/2025	14	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
LS02	01/09/2026	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/30/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/31/2025	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/31/2025	14	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
LS03	01/09/2026	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	01/09/2026	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
LS04	01/09/2026	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	01/09/2026	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

**Notes:**

*bgs: below ground surface*

*mg/kg: milligrams per kilogram*

*NE: Not Established*

*NMOCDC: New Mexico Oil Conservation Division*

*NMAC: New Mexico Administrative Code*

*BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes*

*GRO: Gasoline Range Organics*

*DRO: Diesel Range Organics*

*ORO: Oil Range Organics*

*TPH: Total Petroleum Hydrocarbon*

*Concentrations in **bold** exceed the NMOCDC Table I Closure Criteria or reclamation standard where applicable.*

*Grey text indicates soil sample removed during excavation activities*

**TABLE 3**  
**BACKFILL SOIL SAMPLE ANALYTICAL RESULTS**  
 Calmon 35-2 CTB  
 Oxy USA, Inc.  
 Eddy County, New Mexico

Sample Designation	Date	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)
<b>NMOCDC Table I Closure Criteria (NMAC 19.15.29)</b>			10	50	NE	NE	NE	NE	100	600
<b>Backfill Soil Sample</b>										
Lea Land Backfill	12/11/2025	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

**Notes:**

bgs: below ground surface  
 mg/kg: milligrams per kilogram  
 NE: Not Established  
 NA: Not Applicable  
 NMOCDC: New Mexico Oil Conservation Division  
 NMAC: New Mexico Administrative Code

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



## APPENDIX A

### Supporting Documentation

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

STATE ENGINEER OFFICE  
ROSWELL, NEW MEXICO

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) <b>C-2348-</b>			OSE FILE NUMBER(S) <b>2013 NOV - 71A 11-11</b> <b>C-2348</b>		
	WELL OWNER NAME(S) <b>MARK McCloy - McCloy Ranches</b>			PHONE (OPTIONAL) <b>432-940-4459</b>		
	WELL OWNER MAILING ADDRESS <b>P.O. Box 1076 254 Diamond Rd</b>			CITY <b>Jal</b>	STATE <b>NM</b>	ZIP <b>88252</b>
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE <b>32</b>	MINUTES <b>16</b>	SECONDS <b>12.91</b>	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE <b>Hwy 128 to 18 mm 1 mile N 1/2 mile west on Red Road</b>						

2. DRILLING & CASING INFORMATION	LICENSE NUMBER <b>1654</b>	NAME OF LICENSED DRILLER <b>John Sireman</b>			NAME OF WELL DRILLING COMPANY <b>Sireman Drilling + Const. LLC</b>			
	DRILLING STARTED <b>10/31/13</b>	DRILLING ENDED <b>11/1/13</b>	DEPTH OF COMPLETED WELL (FT) <b>700'-0</b>	BORE HOLE DEPTH (FT) <b>700'-0</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>575-600</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)			STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>430'-0</b>				
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
<b>0</b>	<b>560</b>	<b>10</b>	<b>PVC</b>	<b>Certa-lok</b>	<b>6</b>	<b>DR-17</b>	<b>Blank</b>	
<b>560</b>	<b>620</b>	<b>10</b>	<b>PVC</b>	<b>Certa Lok</b>	<b>6</b>	<b>DR-17</b>	<b>1032 screen</b>	
<b>620</b>	<b>680</b>	<b>10</b>	<b>PVC</b>	<b>Certelok</b>	<b>6</b>	<b>DR-17</b>	<b>Blank</b>	
<b>680</b>	<b>700</b>	<b>10</b>	<b>PVC</b>	<b>Certa lok</b>	<b>6</b>	<b>DR-17</b>	<b>1032 screen</b>	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	<b>0</b>	<b>20</b>	<b>10</b>	<b>3/8 bentonite hole plug</b>	<b>6 bags</b>	<b>gravity</b>
	<b>67</b>	<b>700</b>	<b>10</b>	<b>3/8 pea gravel</b>	<b>5yds</b>	<b>gravity</b>

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER <b>C-2348</b>	POD NUMBER <b>1</b>	TRN NUMBER <b>491413</b>
LOCATION <b>C</b>	<b>235.31E.26.3-4-1</b>	<b>Livestock</b>



agency_cd	site_no	station_nm	dec_lat_va	dec_long_va	dec_coord_datum_cd	state_cd	county_cd	Altitude_ft	alt_datum_cd	well_depth_va	gw_count_nu	lev_dt	lev_va	x	y
USGS	321609103445901	23S.31E.26.34411	32.2699722	-103.7503333	NAD83	35	15	3451	NGVD29	365	5	1/16/2013	101.55	617694.5669	3571046.056



RE: [EXTERNAL] Re: (Variance Denied) Oxy USA, Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

From Sparks, Daniel (DANOS LLC) <daniel\_sparks@oxy.com>  
Date Thu 10/2/2025 9:12 AM  
To Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Kelly Lowery <klowery@ensolum.com>  
Cc Kent, Jessica <Jessica\_Kent@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

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

Good morning, Robert,

Thank you for the clarification.

Best,

**Daniel Sparks**

ENVIRONMENTAL ANALYST III, ORCM HSE

Mobile: 512.734.2325 | Midland Century Plaza

Zero In™ at [oxy.com](http://oxy.com)

[LinkedIn](#) | [Twitter](#) | [YouTube](#) | [Instagram](#) | [Facebook](#)

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Sent:** Thursday, October 2, 2025 9:11 AM  
**To:** Kelly Lowery <klowery@ensolum.com>  
**Cc:** Sparks, Daniel (DANOS LLC) <daniel\_sparks@oxy.com>; Kent, Jessica <jessica\_kent@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] Re: (Variance Denied) Oxy USA, Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

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

If any part of the release area is within 1,000 feet of any fresh water well or spring, the entire release area needs to be cleaned up to the strictest closure criteria (<50' Depth to GW) from Table 1 of the OCD Spill Rule.

**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](mailto:robert.hamlet@emnrd.nm.gov)

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



**From:** Kelly Lowery <[klowery@ensolum.com](mailto:klowery@ensolum.com)>

**Sent:** Thursday, October 2, 2025 7:57 AM

**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>

**Cc:** [daniel\\_sparks@oxy.com](mailto:daniel_sparks@oxy.com); [jessica\\_kent@oxy.com](mailto:jessica_kent@oxy.com); Beaux Jennings <[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>; Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>

**Subject:** [EXTERNAL] Re: (Variance Denied) Oxy USA, Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

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

Good morning Robert,

Does the entire spill release need to be remediated to the most stringent closure criteria? Or just the areas that are within the 1,000-ft radius? Both areas would follow their applicable Closure Criteria Limits per the OCD Spill Rule.

Thank you,

**Kelly Lowery, GIT**

Project Geologist

214-733-3165

**Ensolum, LLC**



**From:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>

**Sent:** Thursday, October 2, 2025 8:21 AM

**To:** Kelly Lowery <[klowery@ensolum.com](mailto:klowery@ensolum.com)>

**Cc:** [daniel\\_sparks@oxy.com](mailto:daniel_sparks@oxy.com) <[daniel\\_sparks@oxy.com](mailto:daniel_sparks@oxy.com)>; [jessica\\_kent@oxy.com](mailto:jessica_kent@oxy.com) <[jessica\\_kent@oxy.com](mailto:jessica_kent@oxy.com)>; Beaux Jennings <[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>; Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>

**Subject:** (Variance Denied) Oxy USA, Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

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

Kelly,

The Variance Request to waive the Site Characterization site receptor "within 1,000 ft distance to any other fresh water well or spring" for the Calmon 35-2 CTB is denied. The site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. Please include a copy of this email correspondence in the remediation 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](mailto:robert.hamlet@emnrd.nm.gov)

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



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**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Wednesday, October 1, 2025 3:30 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] (Variance Request) Oxy USA, Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

---

**From:** Kelly Lowery <[klowery@ensolum.com](mailto:klowery@ensolum.com)>  
**Sent:** Wednesday, October 1, 2025 3:17 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Sparks, Daniel (DANOS LLC) <[daniel\\_sparks@oxy.com](mailto:daniel_sparks@oxy.com)>; Kent, Jessica <[jessica\\_kent@oxy.com](mailto:jessica_kent@oxy.com)>; Beaux Jennings <[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>  
**Subject:** [EXTERNAL] (Variance Request) Oxy USA, Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

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 (Oxy), Ensolum, LLC (Ensolum) would like to request a variance for the Site Characterization site receptor "within 1,000-ft distance to any other fresh water well or spring" for the Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012), release date of 4/10/2025.

**Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012)**

- An equipment failure on a water transfer line 1/2-inch nipple resulted in the release of 15 bbls of produced water with 0 bbls recovered. The release stayed wholly on-pad and delineation excavation efforts have been underway to vertically and laterally define the extents of the release.

During a desktop review for the purpose of identifying potential sensitive site receptors, an OSE POD (C-02348) was identified potentially within the 1,000 ft radius. The well was drilled in 2013 with a total depth

of 700 ft bgs and a depth-to-groundwater of 575 ft bgs. The well log is attached for reference. Ensolum went out on 9/29/2025 to perform a reconnaissance on the well and determined that the location of the well itself was actually approximately 83 feet northeast of the OSE POD blue dot depicted on the NMOCD Oil & Gas Map. Although this location to the release point is outside of the 1,000-ft distance, after delineation activities occurred, the current lateral extent of impacts is approximately 964 ft from the OSE POD well.

At this time, the Site meets all other Site Characterization site receptor requirements. If approved, any excavation sidewall soil samples or lateral delineation soil samples collected would still meet the most stringent Closure Criteria Limits per 19.15.29 NMAC. When the final closure report is submitted to the NMOCD portal, the distance for this site receptor will be updated accordingly and any correspondence will be included in the appendices.

Thank you,



**Kelly Lowery, GIT**

Project Geologist

214-733-3165

**Ensolum, LLC**

in f 



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(Final Extension) Oxy USA Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

---

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

Date Thu 10/9/2025 8:53 AM

To Kelly Lowery <klowery@ensolum.com>

Cc daniel\_sparks@oxy.com <daniel\_sparks@oxy.com>; jessica\_kent@oxy.com <jessica\_kent@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

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

Kelly,

A 90-day extension is approved. This will be the **final extension** for this release. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **January 7th, 2026**. Include this e-mail correspondence in the 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](mailto:robert.hamlet@emnrd.nm.gov)

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



---

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

**Sent:** Tuesday, October 7, 2025 3:48 PM

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

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

**Subject:** FW: [EXTERNAL] (Extension Request) Oxy USA Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

---

**From:** Kelly Lowery <[klowery@ensolum.com](mailto:klowery@ensolum.com)>

**Sent:** Tuesday, October 7, 2025 2:05 PM

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>

**Cc:** Sparks, Daniel (DANOS LLC) <[daniel\\_sparks@oxy.com](mailto:daniel_sparks@oxy.com)>; Kent, Jessica <[jessica\\_kent@oxy.com](mailto:jessica_kent@oxy.com)>; Beaux Jennings <[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>

**Subject:** [EXTERNAL] (Extension Request) Oxy USA Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

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 (Oxy), Ensolum, LLC (Ensolum) would like to request a 90-day extension for the Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025. Delineation activities have been ongoing at the Site but require additional time based on the recent variance request denial for distance to a water well. Oxy and Ensolum will be back out to the Site From October 13<sup>th</sup> through October 15<sup>th</sup> to continue delineation efforts to remediate the Site to the most stringent Closure Criteria Limits. Once completed the final remediation closure request will be sent over to the NMOCD for approval promptly.

We humbly ask for this extension so we may continue our efforts to be in compliance with the NMOCD.

Thank you,

**Kelly Lowery, GIT**

Project Geologist

[214-733-3165](tel:214-733-3165)

**Ensolum, LLC**



---

(Extension Approval) Oxy USA Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

---

From Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
Date Wed 7/9/2025 12:20 PM  
To Kelly Lowery <klowery@ensolum.com>  
Cc daniel\_sparks@oxy.com <daniel\_sparks@oxy.com>; jessica\_kent@oxy.com <jessica\_kent@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

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

RE: Incident #NAPP2510844012 CALMON 35-2 CTB

**Kelly,**

A 90-day extension is approved. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **October 7th, 2025**. Include this e-mail correspondence in the 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](mailto:robert.hamlet@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Wednesday, July 9, 2025 10:50 AM  
**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] (Extension Request) Oxy USA Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

---

**From:** Kelly Lowery <[klowery@ensolum.com](mailto:klowery@ensolum.com)>  
**Sent:** Wednesday, July 9, 2025 10:26 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Sparks, Daniel (DANOS LLC) <[daniel\\_sparks@oxy.com](mailto:daniel_sparks@oxy.com)>; Kent, Jessica <[jessica\\_kent@oxy.com](mailto:jessica_kent@oxy.com)>; Beaux Jennings

<[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>

**Subject:** [EXTERNAL] (Extension Request) Oxy USA Inc. - Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025

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 (Oxy), Ensolum, LLC (Ensolum) would like to request a 90-day extension for the Calmon 35-2 CTB (Facility ID: fAPP2126664875/Incident ID: nAPP2510844012) - 4/10/2025. Initial delineation sampling and excavation activities are in progress and require additional time due to the high traffic at the facility and the various subsurface lines needing to be exposed prior to completing delineation activities. Oxy and Ensolum will keep the OCD updated as the Site progresses. With this in mind we humbly ask for the approval of this first extension request so we may stay in compliance and submit a remediation work plan and/or remediation closure report subsequent to remediation efforts.

Thank you,



**Kelly Lowery, GIT**

Project Geologist

214-733-3165

**Ensolum, LLC**

[in](#) [f](#) [t](#)



## APPENDIX B

### Photographic Log

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**Photographic Log**

Oxy USA, Inc  
Calmon 35-2 CTB  
nAPP2510844012



Photograph: 1 Date: 4/10/2025  
Description: Released Fluids On Pad  
View: North

Photograph: 2 Date: 4/10/2025  
Description: Soil Staining  
View: East



Photograph: 3 Date: 4/10/2025  
Description: Soil Staining  
View: Southeast

Photograph: 4 Date: 4/10/2025  
Description: Soil Staining  
View: Northeast



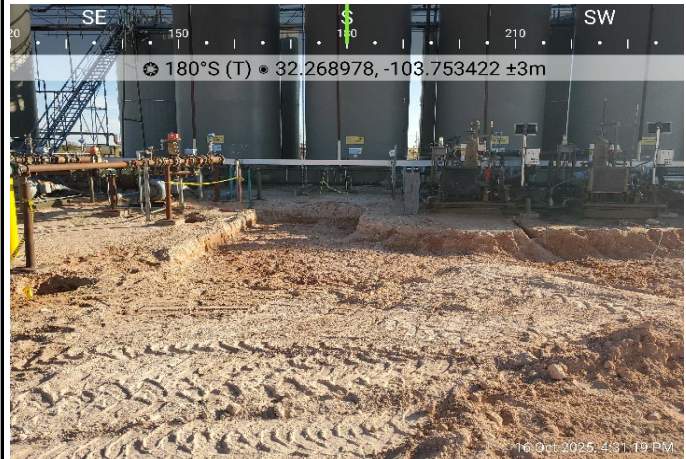
Photographic Log

Oxy USA, Inc  
Calmon 35-2 CTB  
nAPP2510844012



Photograph: 5 Date: 9/19/2025  
Description: Excavation Activities near FS25  
View: South

Photograph: 6 Date: 9/19/2025  
Description: Excavation Activities near FS23  
View: East



Photograph: 7 Date: 10/16/2025  
Description: Excavation Activities near FS02  
View: South

Photograph: 8 Date: 10/16/2025  
Description: Excavation Activities near FS22  
View: South



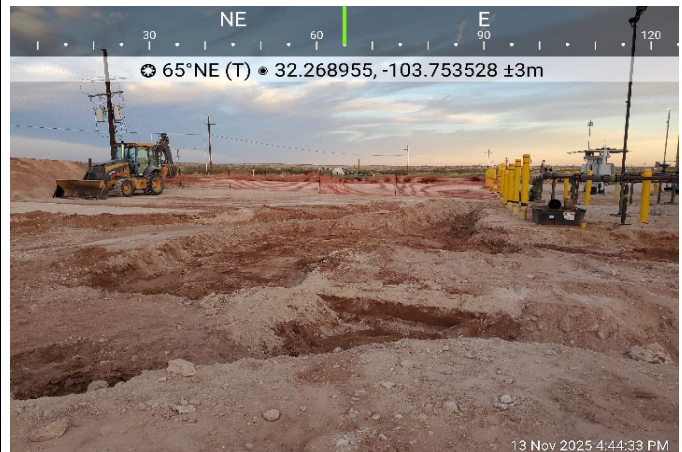
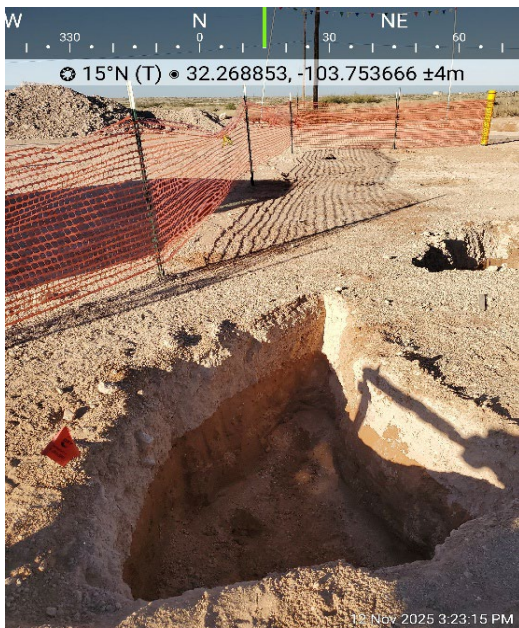
**Photographic Log**

Oxy USA, Inc  
Calmon 35-2 CTB  
nAPP2510844012



Photograph: 9 Date: 10/17/2025  
Description: Excavation Activities near FS03  
View: North

Photograph: 10 Date: 11/12/2025  
Description: Excavation Activities near FS27  
View: Southeast



Photograph: 11 Date: 11/12/2025  
Description: Excavation Activities near FS23  
View: North

Photograph: 12 Date: 11/13/2025  
Description: Excavation Activities near FS16  
View: Northeast



**Photographic Log**

Oxy USA, Inc  
Calmon 35-2 CTB  
nAPP2510844012



Photograph: 13 Date: 11/13/2025  
Description: Excavation Activities near FS11  
View: South

Photograph: 14 Date: 12/11/2025  
Description: Excavation Activities near FS27  
View: East



Photograph: 15 Date: 12/11/2025  
Description: Excavation Activities near FS22  
View: South

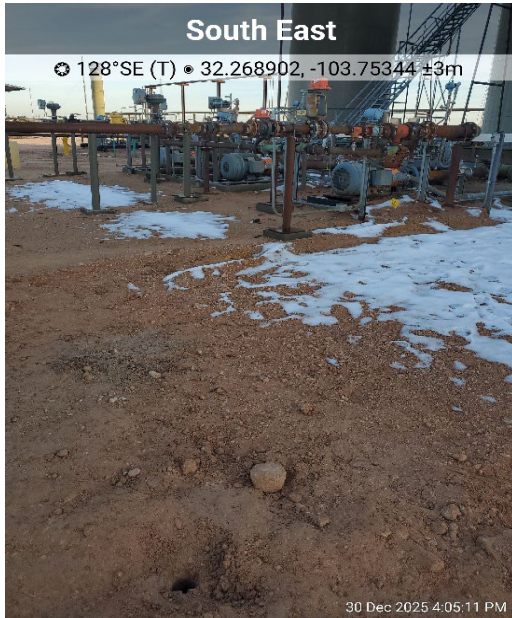
Photograph: 16 Date: 12/12/2025  
Description: Backfilled Extent  
View: Northwest





**Photographic Log**

Oxy USA, Inc  
Calmon 35-2 CTB  
nAPP2510844012



Photograph: 21                                      Date: 12/30/2025  
Description: Delineation Activities at FS27  
View: Southeast



Photograph: 22                                      Date: 12/31/2025  
Description: Delineation Activities at LS01  
View: North



Photograph: 23                                      Date: 12/31/2025  
Description: Delineation Activities at LS02  
View: Northeast



Photograph: 24                                      Date: 1/9/2026  
Description: Excavation Activities at LS01  
View: East





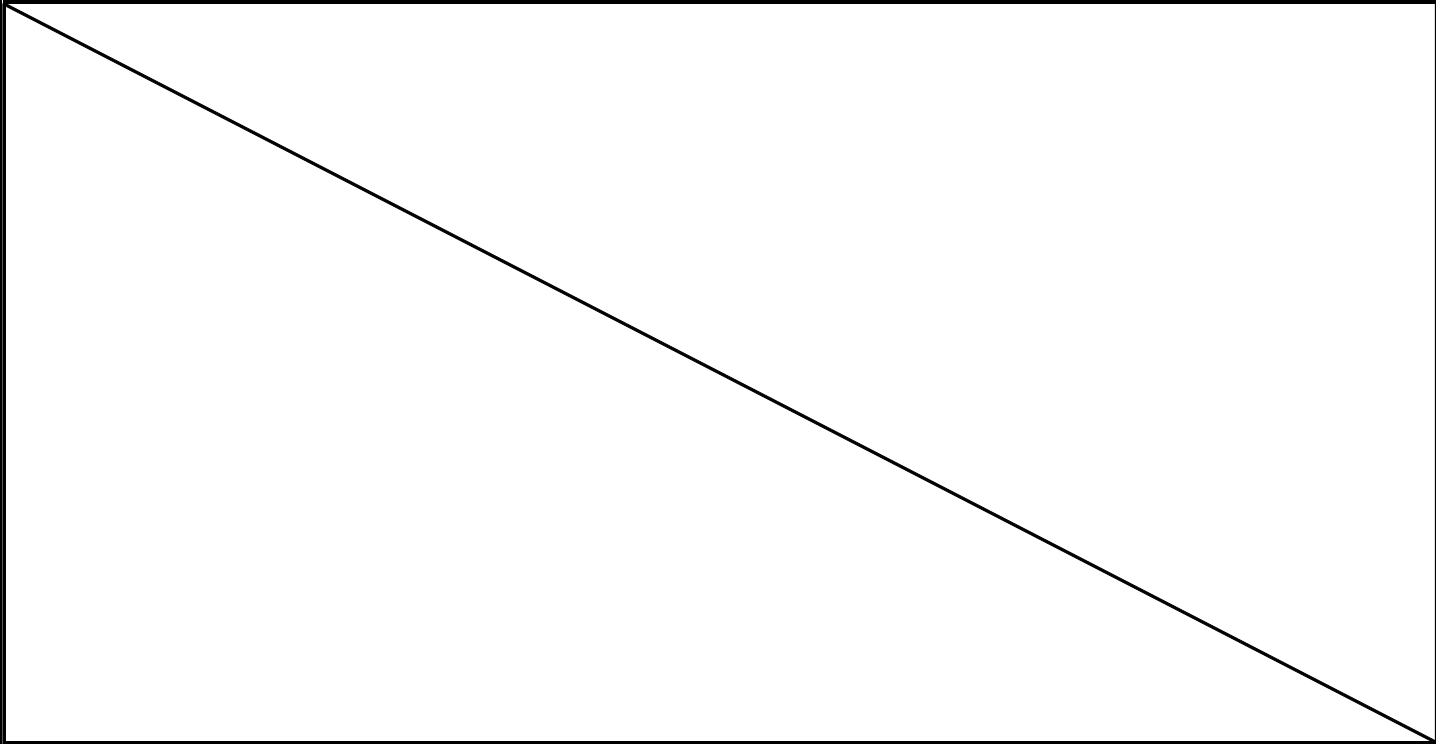



## APPENDIX C


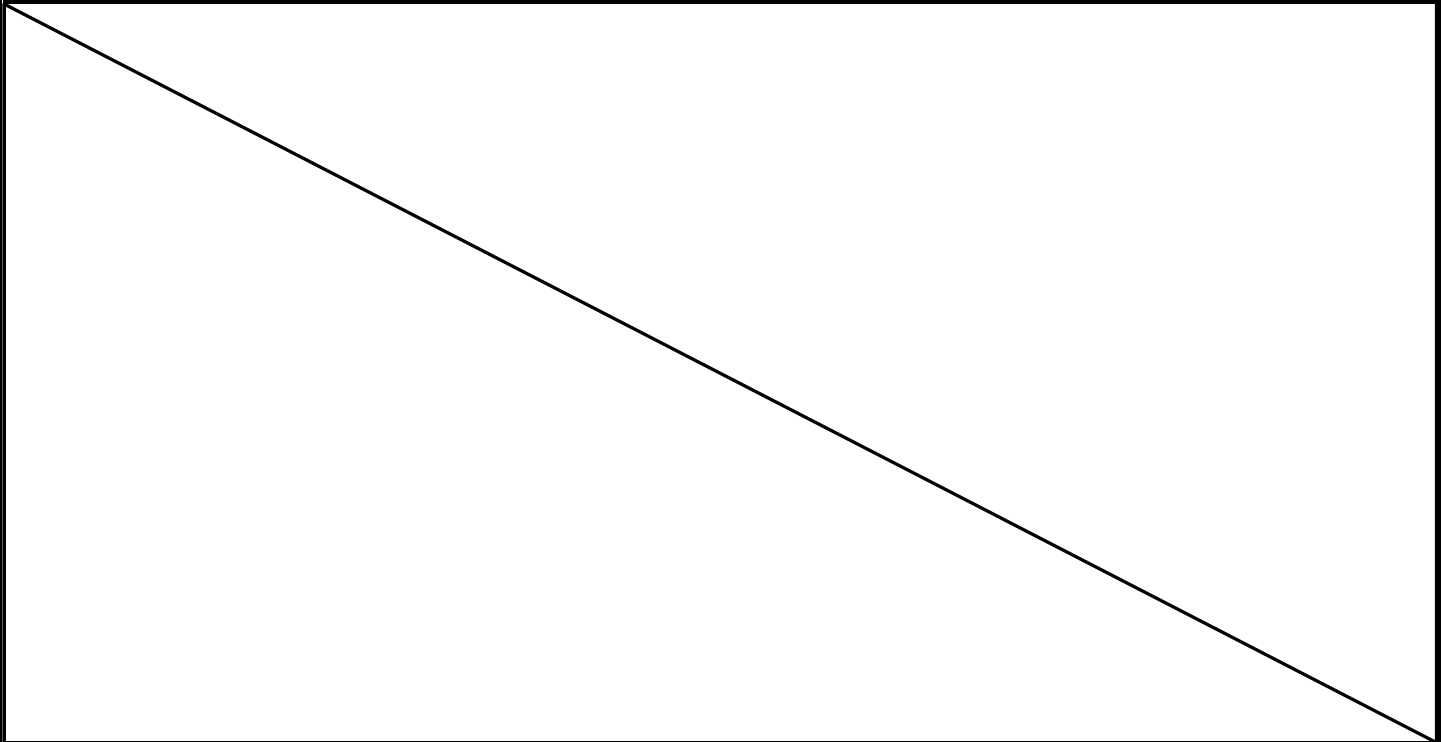
### Lithologic Bore Logs

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				Sample Name: LS01		Date: 12/30-12/31/2025			
				Site Name: Calmon 35-2 CTB					
				Incident Number: nAPP2510844012					
				Job Number: 03B1417305					
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>						Logged By: Kaoru Shimada		Method: Core Drill	
Coordinates: 32.268611, -103.753449						Hole Diameter: 2.5"		Total Depth: 14'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. SAA: Same as above									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D	ND	0	N	LS01	0	0		0' - Caliche, light brown, fine, non-cohesive, non-plastic, few gravel.	
D	ND	0	N			1		1' - Clayey caliche, light brown, very fine to fine, non-plastic, non-cohesive, some gravel.	
D	ND	0	N			2		2' - Sand, brown, fine, non-cohesive, non-plastic.	
D	ND	1.0	N			3		3' - Clayey sand, brown, very fine to fine, non-cohesive, non-plastic.	
D	ND	1.3	N	LS01	4	4		4' - SAA	
D	ND	3.3	N			5		5' - SAA	
D	ND	5.8	N	LS01	6	6		6' - SAA	
D	ND	3.5	N			7		7' - SAA	
D	ND	1.5	N			8		8' - Clayey sand, reddish brown, very fine to fine, non-cohesive, non-plastic.	
D	ND	0	N	LS01	9	9		9' - SAA	
D	ND	0.8	N			10		10' - SAA	
D	ND	0.7	N			11		11' - SAA	

 <b>ENSOLUM</b> Environmental, Engineering and Hydrogeologic Consultants				Sample Name: LS01		Date: 12/30-12/31/2025		
				Site Name: Calmon 35-2 CTB				
				Incident Number: nAPP2510844012				
				Job Number: 03B1417305				
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>				Logged By: Kaoru Shimada		Method: Core Drill		
Coordinates: 32.268611, -103.753449				Hole Diameter: 2.5"		Total Depth: 14'		
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. SAA: Same as above								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	ND	0.4	N	LS01	14	12		12' - Clayey sand, reddish brown, very fine, non-cohesive, non-plastic.
D	ND	0.3	N		13			13' - Caliche, brown, fine, non-cohesive, non-plastic, few gravel.
D	ND	0.5	N		14			14' - Caliche, white, fine, non-cohesive, non-plastic, few gravel.
Total Depth: 14 feet								
								

				Sample Name: LS02		Date: 12/30-12/31/2025		
				Site Name: Calmon 35-2 CTB				
				Incident Number: nAPP2510844012				
				Job Number: 03B1417305				
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>				Logged By: Kaoru Shimada		Method: Core Drill		
Coordinates: 32.268612, -103.753382				Hole Diameter: 2.5"		Total Depth: 14'		
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. SAA: Same as above								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	ND	0	N			0		
D	ND	0	N	LS02	1	1		1' - Clayey sand, brown, very fine to fine, non-plastic, non-cohesive, some gravel.
D	ND	0	N			2		2' - Clayey sand, dark brown, very fine to fine, non-cohesive, non-plastic.
D	ND	1.0	N			3		3' - SAA
D	ND	1.3	N	LS02	4	4		4' - SAA
D	ND	3.3	N			5		5' - SAA
D	ND	5.8	N	LS02	6	6		6' - SAA
D	ND	3.5	N			7		7' - SAA
D	ND	1.5	N			8		8' - SAA
D	ND	0	N	LS02	9	9		9' - Clayey sand, red, very fine to fine, non-cohesive, non-plastic.
D	ND	0.8	N			10		10' - SAA
D	ND	0.7	N			11		11' - Caliche, grey, fine, non-cohesive, non plastic, little gravel.

 <b>ENSOLUM</b> Environmental, Engineering and Hydrogeologic Consultants		Sample Name: LS02	Date: 12/30-12/31/2025					
		Site Name: Calmon 35-2 CTB						
		Incident Number: nAPP2510844012						
		Job Number: 03B1417305						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.268612, -103.753382		Hole Diameter: 2.5"	Total Depth: 14'					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. SAA: Same as above								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	ND	0.4	N	LS02	14	12		12' - Caliche, white, fine, non-cohesive, non-plastic, little gravel.
D	ND	0.3	N			13		13' - Caliche, light brown, fine, non-cohesive, non-plastic, some gravel.
D	ND	0.5	N			14		14' - SAA
Total Depth: 14 feet								
								



## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

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

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September 25, 2025

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/22/25 11:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 01 0.5 (H255912-01)**

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	09/23/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	09/23/2025	ND	416	104	400	3.77	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*	<10.0	10.0	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.4 % 39.9-141

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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 02 0.5 (H255912-02)**

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	09/23/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.0 % 39.9-141

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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 03 0.5 (H255912-03)**

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	09/23/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.4 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 04 0.5 (H255912-04)**

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	09/23/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.3 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 05 0.5 (H255912-05)**

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	09/23/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.2 % 39.9-141

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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: 09/22/2025  
 Reported: 09/25/2025  
 Project Name: CALMON 35-2 CTB  
 Project Number: 03B1417305  
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 09/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS 06 0.5 (H255912-06)**

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	09/23/2025	ND	1.92	96.2	2.00	0.112		
Toluene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.175		
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	1.96	97.9	2.00	0.719		
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	0.855		
Total BTEX	<0.300	0.300	09/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 88.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.2 % 39.9-141

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**Analytical Results For:**

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

Received:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 07 0.5 (H255912-07)**

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	09/24/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.2 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 08 0.5 (H255912-08)**

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	09/24/2025	ND	1.92	96.2	2.00	0.112		
Toluene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.175		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.719		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	0.855		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 74.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.6 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 09 0.5 (H255912-09)**

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	09/24/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.0 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 10 0.5 (H255912-10)**

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	09/24/2025	ND	1.92	96.2	2.00	0.112		
Toluene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.175		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.719		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	0.855		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 75.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.9 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 21 0.5 (H255912-11)**

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	09/24/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.2 % 39.9-141

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**Analytical Results For:**

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

Received:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 22 0.5 (H255912-12)**

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	09/24/2025	ND	1.92	96.2	2.00	0.112	
Toluene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.175	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.719	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	0.855	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4360	16.0	09/23/2025	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	09/23/2025	ND	203	102	200	0.402	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	225	112	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.0 % 39.9-141

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**Analytical Results For:**

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

Received:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 23 2 (H255912-13)**

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	09/24/2025	ND	1.92	96.2	2.00	0.112		
Toluene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.175		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.96	97.9	2.00	0.719		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	0.855		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/23/2025	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	09/22/2025	ND	211	105	200	3.35		
DRO >C10-C28*	141	10.0	09/22/2025	ND	218	109	200	0.523		
EXT DRO >C28-C36	45.4	10.0	09/22/2025	ND						

Surrogate: 1-Chlorooctane 77.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.5 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 24 2 (H255912-14)**

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	09/23/2025	ND	2.04	102	2.00	2.37	
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/23/2025	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	09/22/2025	ND	211	105	200	3.35	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	218	109	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.6 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 25 0.5 (H255912-15)**

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	09/23/2025	ND	2.04	102	2.00	2.37		
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09		
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07		
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02		
Total BTEX	<0.300	0.300	09/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	09/23/2025	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	09/22/2025	ND	211	105	200	3.35		
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	218	109	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND						

Surrogate: 1-Chlorooctane 81.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.3 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 26 0.5 (H255912-16)**

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	09/23/2025	ND	2.04	102	2.00	2.37	
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	09/23/2025	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	09/22/2025	ND	211	105	200	3.35	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	218	109	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.0 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 27 0.5 (H255912-17)**

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	09/23/2025	ND	2.04	102	2.00	2.37	
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	09/23/2025	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	09/22/2025	ND	211	105	200	3.35	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	218	109	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.8 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SW 01 0-2 (H255912-18)**

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	09/23/2025	ND	2.04	102	2.00	2.37	
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.4 % 39.9-141

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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: 09/22/2025  
 Reported: 09/25/2025  
 Project Name: CALMON 35-2 CTB  
 Project Number: 03B1417305  
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 09/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS 11 0.5 (H255912-19)**

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	09/23/2025	ND	2.04	102	2.00	2.37	
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.0 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 12 0.5 (H255912-20)**

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	09/23/2025	ND	2.04	102	2.00	2.37		
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09		
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07		
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02		
Total BTEX	<0.300	0.300	09/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 78.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.9 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 13 0.5 (H255912-21)**

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	09/23/2025	ND	2.04	102	2.00	2.37	
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09	
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02	
Total BTEX	<0.300	0.300	09/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	09/23/2025	ND	432	108	400	0.00	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*	<10.0	10.0	09/23/2025	ND	211	105	200	3.35	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.4 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 14 0.5 (H255912-22)**

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	09/23/2025	ND	2.04	102	2.00	2.37		
Toluene*	<0.050	0.050	09/23/2025	ND	1.92	96.1	2.00	4.09		
Ethylbenzene*	<0.050	0.050	09/23/2025	ND	2.01	100	2.00	4.07		
Total Xylenes*	<0.150	0.150	09/23/2025	ND	6.02	100	6.00	4.02		
Total BTEX	<0.300	0.300	09/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 84.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 15 0.5 (H255912-23)**

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	09/24/2025	ND	2.04	102	2.00	2.37		
Toluene*	<0.050	0.050	09/24/2025	ND	1.92	96.1	2.00	4.09		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.01	100	2.00	4.07		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	4.02		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 83.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.4 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 16 0.5 (H255912-24)**

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	09/24/2025	ND	2.04	102	2.00	2.37		
Toluene*	<0.050	0.050	09/24/2025	ND	1.92	96.1	2.00	4.09		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.01	100	2.00	4.07		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	4.02		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 92.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.5 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 17 0.5 (H255912-25)**

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	09/24/2025	ND	2.04	102	2.00	2.37	
Toluene*	<0.050	0.050	09/24/2025	ND	1.92	96.1	2.00	4.09	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.01	100	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	4.02	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2040</b>	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35	
<b>DRO &gt;C10-C28*</b>	<b>61.6</b>	10.0	09/23/2025	ND	218	109	200	0.523	
<b>EXT DRO &gt;C28-C36</b>	<b>142</b>	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.7 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 18 0.5 (H255912-26)**

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	09/24/2025	ND	2.04	102	2.00	2.37	
Toluene*	<0.050	0.050	09/24/2025	ND	1.92	96.1	2.00	4.09	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.01	100	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	4.02	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.3 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 19 0.5 (H255912-27)**

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	09/24/2025	ND	2.04	102	2.00	2.37		
Toluene*	<0.050	0.050	09/24/2025	ND	1.92	96.1	2.00	4.09		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.01	100	2.00	4.07		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	4.02		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	09/23/2025	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	09/23/2025	ND	211	105	200	3.35		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 88.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.1 % 39.9-141

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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:	09/22/2025	Sampling Date:	09/19/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 20 2 (H255912-28)**

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	09/24/2025	ND	2.04	102	2.00	2.37		
Toluene*	<0.050	0.050	09/24/2025	ND	1.92	96.1	2.00	4.09		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.01	100	2.00	4.07		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.02	100	6.00	4.02		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

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	09/23/2025	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	09/23/2025	ND	211	105	200	3.35		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	218	109	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 87.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.8 % 39.9-141

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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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*Celey D. Keene*

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 St. STE 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 214-733-3165 Email: Klowery@ensolum.com  
 Project #: 03B1417305 Project Owner  
 Project Name: Calmon 35-2-CTB  
 Project Location: Eddy County  
 Sampler Name: Kaoru Shimada  
 P.O. #: 4502695200  
 Company: OXY USA, Inc.  
 Attn: Daniel Sparks  
 Address:  
 City:  
 State:  
 Zip:  
 Phone #:  
 Email:

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTX 8021 B	TPH 8015 M	Chlorides 4500	TDS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:	ICE / COOL						
H255912	FS01	0.5	C	1	X							9-19-25	1425	X	X	X	
	FS02												1423				
	FS03												1421				
	FS04												1418				
	FS05												1419				
	FS06												1559				
	FS07												1104				
	FS08												1100				
	FS09												1102				
	FS10																

PLEASE NOTE: Labeling and Damages: Cardinal's labeling and check-out procedure is based on the amount used by the client for the analysis. All claims regarding these or improper use of equipment shall be directed to the client. Please provide email address: Klowery@ensolum.com, kshimada@ensolum.com. All claims regarding these or improper use of equipment shall be directed to the client. Please provide email address: Klowery@ensolum.com, kshimada@ensolum.com. All claims regarding these or improper use of equipment shall be directed to the client. Please provide email address: Klowery@ensolum.com, kshimada@ensolum.com.

Relinquished By: [Signature] Date: 9-23-25 Received By: [Signature] Date: 9-23-25  
 Relinquished By: [Signature] Date: 9-23-25 Received By: [Signature] Date: 9-23-25

Delivered By: (Circle One) Observed Temp. °C Corrected Temp. °C  
 Sampler - UPS - Bus - Other: 4.01 4.32  
 Sample Condition: Cool Intact  Yes  No  
 Checked By: [Signature] (Initials) SR  
 Turnaround Time: Standard  Backlog (only) Sample Condition  
 Thermometer ID #113 #1140  
 Correction Factor -0.3 10.3  
 Add'l Phone #:

FORM-006 R.3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celyy.keene@cardinalabnm.com

1/3



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Marland St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 214-733-3165

Project #: 03B1417305

Project Name: Calhoun 35-2 CTB

Project Location: Eddy County

Sampler Name: Kaoru Shimada

FOR LAB USE ONLY

BILL TO

P.O. #: 4502695200

Company: OXY USA, Inc.

Attn: Daniel Sparks

Address:

City:

State:

Zip:

Phone #:

Email:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST			
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:			BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS
HS2912	FS21	0.5	1	1	X						9-18-25	955	X	X	X	
	FS22	0.5	1	1	X						9-18-25	1001	X	X	X	
	FS23	2	1	1	X						9-18-25	938	X	X	X	
	FS24	2	1	1	X						9-18-25	940	X	X	X	
	FS25	0.5	1	1	X						9-18-25	944	X	X	X	
	FS26	0.5	1	1	X						9-18-25	1002	X	X	X	
	FS27	0.5	1	1	X						9-18-25	1518	X	X	X	
	SW01	0-2	1	1	X						9-18-25	1174	X	X	X	
	WFE SK															

RELEASING NOTE: Liability and Coverage: Cardinal's liability and coverage is limited to the amount of the fee charged for the analysis.

All claims including those for and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]

Date: 4/23/25

Time: 1:39

Received By: [Signature]

Date: 4/23/25

Time: 4:30

Observed Temp. °C: 4.0

Corrected Temp. °C: 4.3

Sample Condition: Cool Intact

Checked By: [Signature]

Thermometer ID: #117

Correction Factor: 4.56

Observed Temp. °C: 4.0

Corrected Temp. °C: 4.3

Sample Condition: Cool Intact

Checked By: [Signature]

FORM-008 R.3.2 1007/21

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

**BILL TO**

**ANALYSIS REQUEST**

Project Manager: Kelly Lowery

Address: 601 N. Marland St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 214-733-3165

Email: klowery@ensolum.com

Project #: 03B1417305

Project Owner

Project Name: Calmon 35-2 CTB

Project Location: Eddy County

Sampler Name: Kaoru Shimada

P.O. #: 4502695200

Company: OXY USA, inc.

Attn: Daniel Sparks

Address:

City:

State: Zip:

Phone #:

Email:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTX 8021 B	TPH 8015 M	Chlorides 4500	TDS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:						
HSS912	FS11	0.5	C1	1	X						9-19-25	1039	X	X	X	
	FS12			1								1040	X	X	X	
	FS13			1								1042	X	X	X	
	FS14			1								1043	X	X	X	
	FS15			1								1005	X	X	X	
	FS16			1								1018	X	X	X	
	FS17			1								1020	X	X	X	
	FS18			1								1022	X	X	X	
	FS19			1								1023	X	X	X	
	FS 20			1								942	X	X	X	

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Relinquished By: [Signature] Date: 9/23/25

Received By: [Signature] Date: 9/23/25

Delivered By: (Circle One) UPS - Bus - Other: [Signature]

Observed Temp. °C: 40.0 Corrected Temp. °C: 43.0

Sample Condition: Cool Intact  Yes  No

Checked By: [Signature] (Initials)

Thermometer ID: #113 Correction Factor: +0.3°C

Verbal Result:  Yes  No

FORM-006 R 3.2 10/07/21

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

3/3



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

October 23, 2025

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/17/25 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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,

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:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 04 2 (H256591-01)**

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	10/22/2025	ND	2.21	110	2.00	0.0177	
Toluene*	<0.050	0.050	10/22/2025	ND	2.20	110	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/22/2025	ND	2.28	114	2.00	3.43	
Total Xylenes*	<0.150	0.150	10/22/2025	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	10/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.9 % 39.9-141

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:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 05 3 (H256591-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2025	ND	2.21	110	2.00	0.0177	
Toluene*	<0.050	0.050	10/22/2025	ND	2.20	110	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/22/2025	ND	2.28	114	2.00	3.43	
Total Xylenes*	<0.150	0.150	10/22/2025	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	10/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.4 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 06 1 (H256591-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2025	ND	2.21	110	2.00	0.0177	
Toluene*	<0.050	0.050	10/22/2025	ND	2.20	110	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/22/2025	ND	2.28	114	2.00	3.43	
Total Xylenes*	<0.150	0.150	10/22/2025	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	10/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

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	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.3 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 07 3 (H256591-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2025	ND	2.21	110	2.00	0.0177	
Toluene*	<0.050	0.050	10/22/2025	ND	2.20	110	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/22/2025	ND	2.28	114	2.00	3.43	
Total Xylenes*	<0.150	0.150	10/22/2025	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	10/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.3 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 08 1 (H256591-05)**

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	10/22/2025	ND	2.21	110	2.00	0.0177	
Toluene*	<0.050	0.050	10/22/2025	ND	2.20	110	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/22/2025	ND	2.28	114	2.00	3.43	
Total Xylenes*	<0.150	0.150	10/22/2025	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	10/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.4 % 39.9-141

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:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 09 1 (H256591-06)**

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	10/21/2025	ND	2.01	101	2.00	0.609		
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62		
Total BTEX	<0.300	0.300	10/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6		
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6		
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND						

Surrogate: 1-Chlorooctane 80.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.9 % 39.9-141

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:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 11 1 (H256591-07)**

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	10/21/2025	ND	2.01	101	2.00	0.609	
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27	
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62	
Total BTEX	<0.300	0.300	10/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.6 % 39.9-141

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:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 25 1 (H256591-08)**

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	10/21/2025	ND	2.01	101	2.00	0.609		
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62		
Total BTEX	<0.300	0.300	10/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6		
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6		
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND						

Surrogate: 1-Chlorooctane 79.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.9 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by 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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\*=Accredited Analyte

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Celey D. Keene

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. #: 250C060759

Company: OXY USA, Inc.

Address: 601 N. Marland St. STE 400

Attn: Daniel Sparks

City: Midland State: TX Zip: 79701

Address:

Phone #: 214-733-3165

City: State: Zip:

Project #: 03B1417305

Project Name: Calmon 35-2 CTB

Project Location: Eddy County

Phone #: Email:

Sampler Name: Kaoru Shimada

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:	ICE / COOL						
1	FS04	2	C	1	X							10/16/25	1030	X	X	X	
2	FS05	3	C	1	X							10/16/25	1032	X	X	X	
3	FS06	1	C	1	X							10/16/25	1035	X	X	X	
4	FS07	3	C	1	X							10/16/25	1603	X	X	X	
5	FS08	1	C	1	X							10/16/25	1038	X	X	X	
6	FS09	1	C	1	X							10/16/25	1043	X	X	X	
7	FS11	1	C	1	X							10/16/25	1045	X	X	X	
	FS25	1	C	1	X							10/16/25	1303	X	X	X	

NFE 10/16/2025

SR

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Relinquished By: [Signature]

Date: 10/17/25  
 Time: 10:00 AM

Received By: [Signature]

Date: 10/17/25  
 Time: 10:00 AM

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

Observed Temp. °C  
 Corrected Temp. °C

Sample Condition  
 Cool Impact  
 Yes  No

CHECKED BY: (Initials)  
 BR

Turnaround Time: Standard  Rush  Bacteria (only) Sample Condition

Thermometer ID #113  
 Correction Factor -0.3°C

Verbal Result:  Yes  No

Remarks: Paykey/AFENonAFE:  
 1-3-04093015  
 4-04020016  
 5-7-04043015  
 8-04020016

Add'l Phone #:

Thermometer ID #113  
 Correction Factor -0.3°C

Observed Temp. °C  
 Corrected Temp. °C

FORM-006 F 3.2 10/07/21

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



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

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October 23, 2025

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/17/25 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/23/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 01 4 (H256590-01)**

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	10/22/2025	ND	2.21	110	2.00	0.0177	
Toluene*	<0.050	0.050	10/22/2025	ND	2.20	110	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/22/2025	ND	2.28	114	2.00	3.43	
Total Xylenes*	<0.150	0.150	10/22/2025	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	10/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

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	10/20/2025	ND	448	112	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	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.0 % 39.9-141

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

Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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

November 19, 2025

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

RE: CALMON 35-2 CTB

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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,

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:	11/13/2025	Sampling Date:	11/12/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS10 1' (H257147-01)**

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	11/15/2025	ND	1.86	92.8	2.00	1.35	
Toluene*	<0.050	0.050	11/15/2025	ND	1.91	95.5	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/15/2025	ND	1.86	92.9	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/15/2025	ND	5.58	92.9	6.00	4.18	
Total BTEX	<0.300	0.300	11/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/14/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.1 % 39.9-141

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:	11/13/2025	Sampling Date:	11/12/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS14 1' (H257147-02)**

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	11/15/2025	ND	1.86	92.8	2.00	1.35	
Toluene*	<0.050	0.050	11/15/2025	ND	1.91	95.5	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/15/2025	ND	1.86	92.9	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/15/2025	ND	5.58	92.9	6.00	4.18	
Total BTEX	<0.300	0.300	11/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.1 % 39.9-141

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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:	11/13/2025	Sampling Date:	11/12/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS16 1' (H257147-03)**

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	11/15/2025	ND	1.86	92.8	2.00	1.35	
Toluene*	<0.050	0.050	11/15/2025	ND	1.91	95.5	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/15/2025	ND	1.86	92.9	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/15/2025	ND	5.58	92.9	6.00	4.18	
Total BTEX	<0.300	0.300	11/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/14/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.5 % 39.9-141

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:	11/13/2025	Sampling Date:	11/12/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS21 1' (H257147-04)**

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	11/15/2025	ND	1.86	92.8	2.00	1.35	
Toluene*	<0.050	0.050	11/15/2025	ND	1.91	95.5	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/15/2025	ND	1.86	92.9	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/15/2025	ND	5.58	92.9	6.00	4.18	
Total BTEX	<0.300	0.300	11/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/14/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.4 % 39.9-141

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\*=Accredited Analyte

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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:	11/13/2025	Sampling Date:	11/12/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS23 3' (H257147-05)**

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	11/15/2025	ND	1.86	92.8	2.00	1.35	
Toluene*	<0.050	0.050	11/15/2025	ND	1.91	95.5	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/15/2025	ND	1.86	92.9	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/15/2025	ND	5.58	92.9	6.00	4.18	
Total BTEX	<0.300	0.300	11/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	11/14/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.3 % 39.9-141

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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:	11/13/2025	Sampling Date:	11/12/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS26 4' (H257147-06)**

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	11/18/2025	ND	2.21	111	2.00	3.23		
Toluene*	<0.050	0.050	11/18/2025	ND	2.21	111	2.00	3.92		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.15	108	2.00	4.42		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.51	108	6.00	3.95		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/14/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61		
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76		
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND						

Surrogate: 1-Chlorooctane 89.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.4 % 39.9-141

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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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December 01, 2025

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/14/25 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 02 10	H257178-01	Soil	13-Nov-25 10:57	14-Nov-25 10:20
FS 12 2	H257178-02	Soil	13-Nov-25 14:14	14-Nov-25 10:20
FS 13 2	H257178-03	Soil	13-Nov-25 14:45	14-Nov-25 10:20
FS 15 2	H257178-04	Soil	13-Nov-25 13:42	14-Nov-25 10:20
FS 17 2	H257178-05	Soil	13-Nov-25 14:48	14-Nov-25 10:20
FS 18 2	H257178-06	Soil	13-Nov-25 15:01	14-Nov-25 10:20
FS 19 2	H257178-07	Soil	13-Nov-25 15:03	14-Nov-25 10:20
FS 22 1	H257178-08	Soil	13-Nov-25 09:42	14-Nov-25 10:20
SW 01 2-3	H257178-09	Soil	13-Nov-25 08:45	14-Nov-25 10:20
SW 03 0-2	H257178-10	Soil	13-Nov-25 15:25	14-Nov-25 10:20
SW 04 0-1	H257178-11	Soil	13-Nov-25 15:27	14-Nov-25 10:20
SW 05 0-10	H257178-12	Soil	13-Nov-25 11:35	14-Nov-25 10:20
SW 06 4-10	H257178-13	Soil	13-Nov-25 11:37	14-Nov-25 10:20
SW 07 2-10	H257178-14	Soil	13-Nov-25 11:33	14-Nov-25 10:20
SW 09 0-3	H257178-15	Soil	13-Nov-25 16:19	14-Nov-25 10:20
SW 10 0-2	H257178-16	Soil	13-Nov-25 16:21	14-Nov-25 10:20

12/01/25 - Client changed the depth of sample - 11 (see COC). This is the revised report and will replace the one sent on 11/20/25.

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**FS 02 10  
H257178-01 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %		70.4-141	5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.5 %		52.4-130	5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.1 %		39.9-141	5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**FS 12 2  
H257178-02 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.1 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.7 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**FS 13 2  
H257178-03 (Soil)**

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

**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

Surrogate: 1-Chlorooctane			85.1 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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Surrogate: 1-Chlorooctadecane			77.1 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**FS 15 2  
H257178-04 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.4 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.2 %	39.9-141		5111417	MS	14-Nov-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: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**FS 17 2  
H257178-05 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.2 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			74.6 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**FS 18 2  
H257178-06 (Soil)**

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

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

Surrogate: 1-Chlorooctane			82.6 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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Surrogate: 1-Chlorooctadecane			72.6 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**FS 19 2  
H257178-07 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.3 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			75.4 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**FS 22 1  
H257178-08 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>336</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.6 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.8 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**SW 01 2-3  
H257178-09 (Soil)**

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

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

Surrogate: 1-Chlorooctane			83.3 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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Surrogate: 1-Chlorooctadecane			73.9 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**SW 03 0-2  
H257178-10 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.8 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.8 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**SW 04 0-1  
H257178-11 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.0 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			67.7 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**SW 05 0-10  
H257178-12 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.6 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.1 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**SW 06 4-10  
H257178-13 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	5111425	AC	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			72.2 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			64.2 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**SW 07 2-10  
H257178-14 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	5111428	KH	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111703	JH	18-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111703	JH	18-Nov-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	70.4-141		5111703	JH	18-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.1 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.3 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**SW 09 0-3  
H257178-15 (Soil)**

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

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5111428	KH	14-Nov-25	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111704	JH	17-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111704	JH	17-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111704	JH	17-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111704	JH	17-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111704	JH	17-Nov-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	70.4-141		5111704	JH	17-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

Surrogate: 1-Chlorooctane			84.9 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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Surrogate: 1-Chlorooctadecane			74.8 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**SW 10 0-2  
H257178-16 (Soil)**

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

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5111428	KH	14-Nov-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111704	JH	17-Nov-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111704	JH	17-Nov-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111704	JH	17-Nov-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111704	JH	17-Nov-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111704	JH	17-Nov-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	70.4-141		5111704	JH	17-Nov-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5111417	MS	14-Nov-25	8015B	

Surrogate: 1-Chlorooctane			78.3 %	52.4-130		5111417	MS	14-Nov-25	8015B	
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Surrogate: 1-Chlorooctadecane			66.1 %	39.9-141		5111417	MS	14-Nov-25	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 5111425 - 1:4 DI Water</b>										
<b>Blank (5111425-BLK1)</b> Prepared & Analyzed: 14-Nov-25										
Chloride	ND	16.0	mg/kg							
<b>LCS (5111425-BS1)</b> Prepared & Analyzed: 14-Nov-25										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (5111425-BSD1)</b> Prepared & Analyzed: 14-Nov-25										
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
<b>Batch 5111428 - 1:4 DI Water</b>										
<b>Blank (5111428-BLK1)</b> Prepared & Analyzed: 14-Nov-25										
Chloride	ND	16.0	mg/kg							
<b>LCS (5111428-BS1)</b> Prepared & Analyzed: 14-Nov-25										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (5111428-BSD1)</b> Prepared & Analyzed: 14-Nov-25										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5111703 - Volatiles**

<b>Blank (5111703-BLK1)</b>		Prepared: 17-Nov-25 Analyzed: 18-Nov-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)	0.0540		mg/kg	0.0500		108	70.4-141			

<b>LCS (5111703-BS1)</b>		Prepared: 17-Nov-25 Analyzed: 18-Nov-25								
Benzene	2.08	0.050	mg/kg	2.00		104	71-111			
Toluene	2.09	0.050	mg/kg	2.00		105	75-116			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	74.2-119			
m,p-Xylene	4.38	0.100	mg/kg	4.00		109	72.5-123			
o-Xylene	2.21	0.050	mg/kg	2.00		110	70.5-124			
Total Xylenes	6.59	0.150	mg/kg	6.00		110	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	70.4-141			

<b>LCS Dup (5111703-BSD1)</b>		Prepared: 17-Nov-25 Analyzed: 18-Nov-25								
Benzene	2.04	0.050	mg/kg	2.00		102	71-111	1.70	17.6	
Toluene	2.10	0.050	mg/kg	2.00		105	75-116	0.562	14.8	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	74.2-119	2.18	14.2	
m,p-Xylene	4.46	0.100	mg/kg	4.00		112	72.5-123	1.95	13.6	
o-Xylene	2.26	0.050	mg/kg	2.00		113	70.5-124	2.09	13.7	
Total Xylenes	6.72	0.150	mg/kg	6.00		112	72.2-123	2.00	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	70.4-141			

**Batch 5111704 - Volatiles**

<b>Blank (5111704-BLK1)</b>		Prepared & Analyzed: 17-Nov-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							

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: CALMON 35-2 CTB  
Project Number: 03B1417305  
Project Manager: KELLY LOWERY  
Fax To:

Reported:  
01-Dec-25 18:21

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5111704 - Volatiles****Blank (5111704-BLK1)**

Prepared &amp; Analyzed: 17-Nov-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0543		mg/kg	0.0500		109	70.4-141			

**LCS (5111704-BS1)**

Prepared &amp; Analyzed: 17-Nov-25

Benzene	2.05	0.050	mg/kg	2.00		103	71-111			
Toluene	2.13	0.050	mg/kg	2.00		107	75-116			
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	74.2-119			
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	72.5-123			
o-Xylene	1.99	0.050	mg/kg	2.00		99.5	70.5-124			
Total Xylenes	6.14	0.150	mg/kg	6.00		102	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0476		mg/kg	0.0500		95.1	70.4-141			

**LCS Dup (5111704-BSD1)**

Prepared &amp; Analyzed: 17-Nov-25

Benzene	2.02	0.050	mg/kg	2.00		101	71-111	1.80	17.6	
Toluene	2.14	0.050	mg/kg	2.00		107	75-116	0.360	14.8	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	74.2-119	0.198	14.2	
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	72.5-123	0.218	13.6	
o-Xylene	2.02	0.050	mg/kg	2.00		101	70.5-124	1.62	13.7	
Total Xylenes	6.18	0.150	mg/kg	6.00		103	72.2-123	0.674	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0486		mg/kg	0.0500		97.2	70.4-141			

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 01-Dec-25 18:21
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

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

**Batch 5111417 - General Prep - Organics**

<b>Blank (5111417-BLK1)</b>			Prepared & Analyzed: 14-Nov-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							
<i>Surrogate: 1-Chlorooctane</i>	52.4		mg/kg	50.0		105	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	50.9		mg/kg	50.0		102	39.9-141			

<b>LCS (5111417-BS1)</b>			Prepared & Analyzed: 14-Nov-25							
GRO C6-C10	187	10.0	mg/kg	200		93.6	78.7-123			
DRO >C10-C28	191	10.0	mg/kg	200		95.3	74.8-123			
Total TPH C6-C28	378	10.0	mg/kg	400		94.4	78.6-121			
<i>Surrogate: 1-Chlorooctane</i>	57.0		mg/kg	50.0		114	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	56.1		mg/kg	50.0		112	39.9-141			

<b>LCS Dup (5111417-BSD1)</b>			Prepared & Analyzed: 14-Nov-25							
GRO C6-C10	196	10.0	mg/kg	200		97.9	78.7-123	4.56	11.3	
DRO >C10-C28	189	10.0	mg/kg	200		94.3	74.8-123	1.13	10.9	
Total TPH C6-C28	384	10.0	mg/kg	400		96.1	78.6-121	1.73	10.5	
<i>Surrogate: 1-Chlorooctane</i>	59.9		mg/kg	50.0		120	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	53.5		mg/kg	50.0		107	39.9-141			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

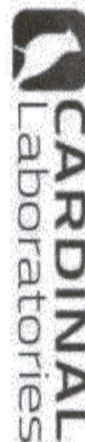
Cardinal Laboratories

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*Celey D. Keene*

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. #: 4502695200

Address: 601 N. Marrenfield St. STE 400

Company: OXY USA, Inc.

City: Midland

State: TX Zip: 79701

Attn: Daniel Sparks

Phone #: 214-733-3165

Email: klowery@ensolum.com

Project #: 0381417305

City:

Project Name: Calmon 35-2 CTB

State:

Project Location: Eddy County

Phone #:

Sampler Name: Kaoru Shimada

Email:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Sample Depth (ft)	(GRAB OR C)OMP.	# CONTAINERS	MATRIX							PRESERV.	DATE	TIME	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:							
4257118	FS02	10	C 1	1	X								11/13/25	1057	X	X	X	
	FS12	2	C 1	1	X								11/13/25	1414	X	X	X	
	FS13	2	C 1	1	X								11/13/25	1445	X	X	X	
	FS15	2	C 1	1	X								11/13/25	1342	X	X	X	
	FS17	2	C 1	1	X								11/13/25	1448	X	X	X	
	FS18	2	C 1	1	X								11/13/25	1501	X	X	X	
	FS19	2	C 1	1	X								11/13/25	1503	X	X	X	
	FS22	1	C 1	1	X								11/13/25	942	X	X	X	
	SW01	2-3	C 1	1	X								11/13/25	845	X	X	X	
	SW03	0-2	C 1	1	X								11/13/25	1525	X	X	X	

04093015-1,2,4,5,7-10,12-16  
 04084015-3,6,11

Relinquished By: [Signature]

Date: 11-14-25

Received By: [Signature]

Date: 10-20

Received By: [Signature]

Verbal Result:  Yes  No

Remarks: Paykey/AE/NKA/FE

04093015-1,2,4,5,7-10,12-16

FORM-006 R.3.2 10/07/21

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Project Manager: Kelly Lowery  
 Address: 601 N. Marlandfield St. STE 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 214-733-3165 Email: klowery@ensolum.com  
 Project #: 03B1417305  
 Project Name: Calmon 35-2 CTB  
 Project Location: Eddy County  
 Sampler Name: Kaoru Shimada

P.O. #: 4502695200  
 Company: OXY USA, Inc.  
 Attn: Daniel Sparks  
 Address:  
 City:  
 State: Zip:  
 Phone #:  
 Email:

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	DATE	TIME	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE								
HAS 7178	SW04	0-1	C 1	1	X							11/13/25	1527	X	X	X	
	SW05	0-10	C 1	1	X							11/13/25	1135	X	X	X	
	SW06	4-10	C 1	1	X							11/13/25	1137	X	X	X	
	SW07	2-10	C 1	1	X							11/13/25	1133	X	X	X	
	SW09	0-3	C 1	1	X							11/13/25	1619	X	X	X	
	SW10	0-2	C 1	1	X							11/13/25	1621	X	X	X	

NFE SK 11/13/2025

**MAJOR NOTE:** Liability and Damages. Cardinal's liability and claims exclusion extend to any other activity whether based in contract or tort, shall be limited to the amount paid by the client for the analysis.

All claims including those for negligence and any other cause whatsoever shall be deemed waived by the client upon receipt of this report. In no event shall Cardinal be held responsible for consequential damages, including without limitation, business interruption, loss of profits, or loss of data.

Refuse or acceptance of this report shall be deemed to be an acceptance of the accuracy of the information contained herein. If you have any questions, please contact Cardinal at the address above.

Retrieved By: *[Signature]* Date: 11/14/25 Time: 10:20  
 Received By: *[Signature]* Date: 11/14/25 Time: 10:20

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

Observed Temp. °C: 39  
 Corrected Temp. °C: 39

Sample Condition: Cool  Intact   No  No

Checked By: *[Signature]*

Remarks: *\* Customer requested Depth changes*

Thermometer ID #13 #140  
 Correction Factor -0.3°C

Transmitted Time: Standard  Observed Temp. °C: 39  
 Rush  Cool  Heat   Yes  No  No

Verbal Result:  Yes  No

Additional Phone #: *11/14/25*

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



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

---

November 20, 2025

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/14/25 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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:	11/14/2025	Sampling Date:	11/13/2025
Reported:	11/20/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SW 02 0-6 (H257179-01)**

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	11/17/2025	ND	2.05	103	2.00	1.80	
Toluene*	<0.050	0.050	11/17/2025	ND	2.13	107	2.00	0.360	
Ethylbenzene*	<0.050	0.050	11/17/2025	ND	2.05	103	2.00	0.198	
Total Xylenes*	<0.150	0.150	11/17/2025	ND	6.14	102	6.00	0.674	
Total BTEX	<0.300	0.300	11/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	11/14/2025	ND	416	104	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	11/14/2025	ND	187	93.6	200	4.56	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	191	95.3	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.9 % 39.9-141

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

**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



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. Marlandfield St. STE 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 214-733-3165 Email: klowery@ensolum.com  
 Project #: 0381417305  
 Project Name: Calmon 35-2 CTB  
 Project Location: Eddy County  
 Sampler Name: Kaoru Shimada

P.O. #: 4502695200  
 Company: OXY USA, Inc.  
 Attn: Daniel Sparks  
 Address:  
 City:  
 State:  
 Zip:

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:								
HS7179	SW02	0-6	C	1		X						11/13/25	843	X	X	X		

OTHER: ACID/BASE: ICE / COOL OTHER:

FOR LAB USE ONLY

Refrainquished By: [Signature] Date: 11-14-25 Received By: [Signature] Date: 11/14/25  
 Refrainquished By: [Signature] Date: 10/20 Received By: [Signature] Date: 11/14/25

Delivered By: (Circle One) Observed Temp. °C Corrected Temp. °C  
 Sampler - UPS - Bus - Other: 2.9 3.2  
 Sample Condition Cool / Moist  Yes  No  
 Checked By: [Signature] (Initials) [Signature]

Turnaround Time: Standard  Rush   Yes  No  
 Thermometer ID #143 #140 Observed Temp. °C Correction Factor -0.5°C  
 11/14/25 10:30c

Vertical Results:  Yes  No  
 All Results are emailed. Please provide Email address: klowery@ensolum.com, kshimada@ensolum.com  
 REMARKS: Paykey/AFE/NonAFE: 0409 3015

FORM-406 R 3.2 10/07/21

NFE SK 11/13/2025

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



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

---

November 20, 2025

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/14/25 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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:	11/14/2025	Sampling Date:	11/13/2025
Reported:	11/20/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 27 6 (H257180-01)**

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	11/17/2025	ND	2.05	103	2.00	1.80	
Toluene*	<0.050	0.050	11/17/2025	ND	2.13	107	2.00	0.360	
Ethylbenzene*	<0.050	0.050	11/17/2025	ND	2.05	103	2.00	0.198	
Total Xylenes*	<0.150	0.150	11/17/2025	ND	6.14	102	6.00	0.674	
Total BTEX	<0.300	0.300	11/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	11/14/2025	ND	416	104	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	11/14/2025	ND	187	93.6	200	4.56	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	191	95.3	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.8 % 39.9-141

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

**Notes and Definitions**

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- RPD Relative Percent Difference
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- \*\*\* 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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 OF 1

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. #: 4502695200

Address: 601 N. Marland St. STE 400

Company: OXY USA, Inc.

City: Midland State: TX Zip: 79701

Attn: Daniel Sparks

Phone #: 214-733-3165

Address: City: State: Zip:

Project #: 0381417305

Project Name: Calmon 35-2 CTB

Project Location: Eddy County

Sampler Name: Kaoru Shimada

Matrix: PRESERV. SAMPLING

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	REMARKS
H25-7182	FS27	6	C	1	SOIL	X	X	11/13/25	919	BTEX 8021 B TPH 8015 M Chlorides 4500 TDS

NFE SK 11/13/2025

PLAUSES NOTE: Liability and Damages: Cardinal's liability and damage is limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause of action shall be limited to the amount paid by the client for the analysis. In no event shall Cardinal be liable for any consequential or special damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claims are based upon any of the above stated theories or otherwise.

Relinquished By: [Signature] Date: 11/14/25

Received By: [Signature] Date: 11/13/25

Verbal Result:  Yes  No

Remarks: Paykey/AE/Non/AE: 04093015

Delivered By: (Circle One)  UPS  Bus  Other

Observed Temp. °C: 39.9 Corrected Temp. °C: 3.8

Sample Condition:  Cool  Other

Checked By: [Signature]

Thermometer ID: #113 Correction Factor: 4.57

Standard  Backup (only)  Sample Condition

Corrected Temp. °C: 11/14/25

FORM-006 R 3.2 10/07/21

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



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

---

November 20, 2025

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

RE: CALMON 35-2 CTB

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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:	11/14/2025	Sampling Date:	11/14/2025
Reported:	11/20/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SW 08 0-4 (H257181-01)**

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	11/17/2025	ND	2.05	103	2.00	1.80	
Toluene*	<0.050	0.050	11/17/2025	ND	2.13	107	2.00	0.360	
Ethylbenzene*	<0.050	0.050	11/17/2025	ND	2.05	103	2.00	0.198	
Total Xylenes*	<0.150	0.150	11/17/2025	ND	6.14	102	6.00	0.674	
Total BTEX	<0.300	0.300	11/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/14/2025	ND	416	104	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	11/14/2025	ND	185	92.4	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	179	89.6	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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December 18, 2025

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/12/25 13:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 18-Dec-25 16:04
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 27 9	H257716-01	Soil	11-Dec-25 11:05	12-Dec-25 13:16
FS 27 13	H257716-02	Soil	11-Dec-25 12:06	12-Dec-25 13:16

12/18/25 - Client added analysis to sample -02 (see COC). This is the revised report and will replace the one sent on 12/15/25.

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 18-Dec-25 16:04
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**FS 27 9  
H257716-01 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>656</b>		16.0	mg/kg	4	5121263	HM	15-Dec-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5121254	JH	13-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121254	JH	13-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121254	JH	13-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121254	JH	13-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121254	JH	13-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.4 %		70.4-141	5121254	JH	13-Dec-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121244	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121244	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121244	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			108 %		52.4-130	5121244	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			114 %		39.9-141	5121244	MS	15-Dec-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: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 18-Dec-25 16:04
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**FS 27 13  
H257716-02 (Soil)**

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

**Inorganic Compounds**

Chloride	2560		16.0	mg/kg	4	5121514	HM	16-Dec-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5121512	JH	16-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121512	JH	16-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121512	JH	16-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121512	JH	16-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121512	JH	16-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	70.4-141		5121512	JH	16-Dec-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121515	MS	16-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121515	MS	16-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121515	MS	16-Dec-25	8015B	

Surrogate: 1-Chlorooctane			97.0 %	52.4-130		5121515	MS	16-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	39.9-141		5121515	MS	16-Dec-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: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 18-Dec-25 16:04
--------------------------------------------------------	----------------------------------------------------------------------------------------------------	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 5121263 - 1:4 DI Water</b>										
<b>Blank (5121263-BLK1)</b> Prepared & Analyzed: 15-Dec-25										
Chloride	ND	16.0	mg/kg							
<b>LCS (5121263-BS1)</b> Prepared & Analyzed: 15-Dec-25										
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (5121263-BSD1)</b> Prepared & Analyzed: 15-Dec-25										
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
<b>Batch 5121514 - 1:4 DI Water</b>										
<b>Blank (5121514-BLK1)</b> Prepared & Analyzed: 16-Dec-25										
Chloride	ND	16.0	mg/kg							
<b>LCS (5121514-BS1)</b> Prepared & Analyzed: 16-Dec-25										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (5121514-BSD1)</b> Prepared & Analyzed: 16-Dec-25										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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**Analytical Results For:**

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

Project: CALMON 35-2 CTB  
Project Number: 03B1417305  
Project Manager: KELLY LOWERY  
Fax To:

Reported:  
18-Dec-25 16:04

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5121254 - Volatiles****Blank (5121254-BLK1)**

Prepared: 12-Dec-25 Analyzed: 13-Dec-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)	ND		mg/kg	0.0500		92.7	70.4-141			

**LCS (5121254-BS1)**

Prepared: 12-Dec-25 Analyzed: 13-Dec-25

Benzene	2.06	0.050	mg/kg	2.00		103	71-111			
Toluene	2.04	0.050	mg/kg	2.00		102	75-116			
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	74.2-119			
m,p-Xylene	4.09	0.100	mg/kg	4.00		102	72.5-123			
o-Xylene	1.88	0.050	mg/kg	2.00		93.8	70.5-124			
Total Xylenes	5.97	0.150	mg/kg	6.00		99.5	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0470		mg/kg	0.0500		94.0	70.4-141			

**LCS Dup (5121254-BSD1)**

Prepared: 12-Dec-25 Analyzed: 13-Dec-25

Benzene	2.06	0.050	mg/kg	2.00		103	71-111	0.223	17.6	
Toluene	2.03	0.050	mg/kg	2.00		101	75-116	0.440	14.8	
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.3	74.2-119	1.64	14.2	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	72.5-123	1.21	13.6	
o-Xylene	1.86	0.050	mg/kg	2.00		93.2	70.5-124	0.575	13.7	
Total Xylenes	5.91	0.150	mg/kg	6.00		98.5	72.2-123	1.01	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0458		mg/kg	0.0500		91.7	70.4-141			

**Batch 5121512 - Volatiles****Blank (5121512-BLK1)**

Prepared: 15-Dec-25 Analyzed: 16-Dec-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							

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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: CALMON 35-2 CTB  
Project Number: 03B1417305  
Project Manager: KELLY LOWERY  
Fax To:

Reported:  
18-Dec-25 16:04

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5121512 - Volatiles****Blank (5121512-BLK1)**

Prepared: 15-Dec-25 Analyzed: 16-Dec-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	70.4-141			

**LCS (5121512-BS1)**

Prepared: 15-Dec-25 Analyzed: 16-Dec-25

Benzene	1.90	0.050	mg/kg	2.00		95.2	71-111			
Toluene	1.96	0.050	mg/kg	2.00		98.2	75-116			
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.0	74.2-119			
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	72.5-123			
o-Xylene	1.99	0.050	mg/kg	2.00		99.3	70.5-124			
Total Xylenes	6.10	0.150	mg/kg	6.00		102	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.9	70.4-141			

**LCS Dup (5121512-BSD1)**

Prepared: 15-Dec-25 Analyzed: 16-Dec-25

Benzene	1.88	0.050	mg/kg	2.00		93.8	71-111	1.52	17.6	
Toluene	1.93	0.050	mg/kg	2.00		96.7	75-116	1.51	14.8	
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.5	74.2-119	1.49	14.2	
m,p-Xylene	4.08	0.100	mg/kg	4.00		102	72.5-123	0.980	13.6	
o-Xylene	1.96	0.050	mg/kg	2.00		98.0	70.5-124	1.37	13.7	
Total Xylenes	6.04	0.150	mg/kg	6.00		101	72.2-123	1.11	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	70.4-141			

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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: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 18-Dec-25 16:04
--------------------------------------------------------	----------------------------------------------------------------------------------------------------	------------------------------

**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 5121244 - General Prep - Organics**

<b>Blank (5121244-BLK1)</b>		Prepared: 12-Dec-25 Analyzed: 14-Dec-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	46.1		mg/kg	50.0		92.2	52.4-130			
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.5	39.9-141			

<b>LCS (5121244-BS1)</b>		Prepared: 12-Dec-25 Analyzed: 14-Dec-25								
GRO C6-C10	203	10.0	mg/kg	200		102	78.7-123			
DRO >C10-C28	230	10.0	mg/kg	200		115	74.8-123			
Total TPH C6-C28	433	10.0	mg/kg	400		108	78.6-121			
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	52.4-130			
Surrogate: 1-Chlorooctadecane	57.4		mg/kg	50.0		115	39.9-141			

<b>LCS Dup (5121244-BS1)</b>		Prepared: 12-Dec-25 Analyzed: 14-Dec-25								
GRO C6-C10	200	10.0	mg/kg	200		99.9	78.7-123	1.70	11.3	
DRO >C10-C28	224	10.0	mg/kg	200		112	74.8-123	2.38	10.9	
Total TPH C6-C28	424	10.0	mg/kg	400		106	78.6-121	2.06	10.5	
Surrogate: 1-Chlorooctane	49.5		mg/kg	50.0		99.1	52.4-130			
Surrogate: 1-Chlorooctadecane	54.1		mg/kg	50.0		108	39.9-141			

**Batch 5121515 - General Prep - Organics**

<b>Blank (5121515-BLK1)</b>		Prepared: 15-Dec-25 Analyzed: 16-Dec-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	48.4		mg/kg	50.0		96.8	52.4-130			
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		98.9	39.9-141			

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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 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CALMON 35-2 CTB Project Number: 03B1417305 Project Manager: KELLY LOWERY Fax To:	Reported: 18-Dec-25 16:04
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5121515 - General Prep - Organics**

<b>LCS (5121515-BS1)</b>		Prepared: 15-Dec-25 Analyzed: 16-Dec-25								
GRO C6-C10	206	10.0	mg/kg	200		103	78.7-123			
DRO >C10-C28	196	10.0	mg/kg	200		97.9	74.8-123			
Total TPH C6-C28	402	10.0	mg/kg	400		100	78.6-121			
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	52.4-130			
Surrogate: 1-Chlorooctadecane	54.1		mg/kg	50.0		108	39.9-141			

<b>LCS Dup (5121515-BSD1)</b>		Prepared: 15-Dec-25 Analyzed: 16-Dec-25								
GRO C6-C10	210	10.0	mg/kg	200		105	78.7-123	1.99	11.3	
DRO >C10-C28	196	10.0	mg/kg	200		98.0	74.8-123	0.0316	10.9	
Total TPH C6-C28	406	10.0	mg/kg	400		102	78.6-121	1.04	10.5	
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	52.4-130			
Surrogate: 1-Chlorooctadecane	53.4		mg/kg	50.0		107	39.9-141			

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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. Mainfield St. STE 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 214-733-3165 Email: klowery@ensolum.com  
 Project #: 03B1417305  
 Project Name: Calmon 35-2 CTB  
 Project Location: Eddy County, NM  
 Sampler Name: Kaoru Shinada  
 P.O. #: 4502695200  
 Company: Atn: Daniel Sparks  
 Address: City: State: Zip: Phone #: Email:

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS	Hold
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:							
HS5716	FS27	9	1	1	X						12-11-25	1105	X	X	X	X	Hold
	FS27	13	1	1	X						12-11-25	1206	X	X	X	X	Hold

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Relinquished By: [Signature] Date: 12-25-13  
 Received By: [Signature] Date: 12-25-13  
 Observed Temp. °C: 0.5  
 Corrected Temp. °C: 0.8  
 Sample Condition:  Cool  Intact  
 CHECKED BY: [Signature]  
 Verbal Result:  Yes  No  
 Add'l Phone #: 0402401K  
 REMARKS: Paykey/AF/NonAFE: 3 Day TAT  
 24 hour rush betn sample are compare  
 Thermometer ID #1140  
 Correction Factor #0.3  
 Rush  Cool Intact  Observed Temp. °C  
 Yes  No  Corrected Temp. °C

FORM-006 R.3.2 10/07/21

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

1 OF 1



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

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January 02, 2026

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/31/25 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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:	12/31/2025	Sampling Date:	12/30/2025
Reported:	01/02/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: LS 02 1 (H257950-01)**

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	12/31/2025	ND	2.09	104	2.00	7.38	
Toluene*	<0.050	0.050	12/31/2025	ND	1.85	92.4	2.00	7.54	
Ethylbenzene*	<0.050	0.050	12/31/2025	ND	1.91	95.6	2.00	5.87	
Total Xylenes*	<0.150	0.150	12/31/2025	ND	5.91	98.6	6.00	7.72	
Total BTEX	<0.300	0.300	12/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2026	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	01/02/2026	ND	206	103	200	0.590	
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND					

Surrogate: 1-Chlorooctane 99.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

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\*=Accredited Analyte

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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:	12/31/2025	Sampling Date:	12/30/2025
Reported:	01/02/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: LS 02 4 (H257950-02)**

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	12/31/2025	ND	2.09	104	2.00	7.38		
Toluene*	<0.050	0.050	12/31/2025	ND	1.85	92.4	2.00	7.54		
Ethylbenzene*	<0.050	0.050	12/31/2025	ND	1.91	95.6	2.00	5.87		
Total Xylenes*	<0.150	0.150	12/31/2025	ND	5.91	98.6	6.00	7.72		
Total BTEX	<0.300	0.300	12/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/02/2026	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	01/02/2026	ND	206	103	200	0.590		
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846		
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND						

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 110 % 39.9-141

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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: 12/31/2025  
 Reported: 01/02/2026  
 Project Name: CALMON 35-2 CTB  
 Project Number: 03B1417305  
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 12/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: LS 02 6 (H257950-03)**

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	12/31/2025	ND	2.09	104	2.00	7.38		
Toluene*	<0.050	0.050	12/31/2025	ND	1.85	92.4	2.00	7.54		
Ethylbenzene*	<0.050	0.050	12/31/2025	ND	1.91	95.6	2.00	5.87		
Total Xylenes*	<0.150	0.150	12/31/2025	ND	5.91	98.6	6.00	7.72		
Total BTEX	<0.300	0.300	12/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/02/2026	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	01/02/2026	ND	206	103	200	0.590		
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846		
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND						

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 109 % 39.9-141

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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: 12/31/2025  
 Reported: 01/02/2026  
 Project Name: CALMON 35-2 CTB  
 Project Number: 03B1417305  
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 12/31/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: LS 02 9 (H257950-04)**

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	12/31/2025	ND	2.09	104	2.00	7.38	
Toluene*	<0.050	0.050	12/31/2025	ND	1.85	92.4	2.00	7.54	
Ethylbenzene*	<0.050	0.050	12/31/2025	ND	1.91	95.6	2.00	5.87	
Total Xylenes*	<0.150	0.150	12/31/2025	ND	5.91	98.6	6.00	7.72	
Total BTEX	<0.300	0.300	12/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2026	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	01/02/2026	ND	206	103	200	0.590	
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND					

Surrogate: 1-Chlorooctane 113 % 52.4-130

Surrogate: 1-Chlorooctadecane 115 % 39.9-141

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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: 12/31/2025  
 Reported: 01/02/2026  
 Project Name: CALMON 35-2 CTB  
 Project Number: 03B1417305  
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 12/31/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: LS 02 14 (H257950-05)**

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	12/31/2025	ND	2.09	104	2.00	7.38		
Toluene*	<0.050	0.050	12/31/2025	ND	1.85	92.4	2.00	7.54		
Ethylbenzene*	<0.050	0.050	12/31/2025	ND	1.91	95.6	2.00	5.87		
Total Xylenes*	<0.150	0.150	12/31/2025	ND	5.91	98.6	6.00	7.72		
Total BTEX	<0.300	0.300	12/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/02/2026	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	01/02/2026	ND	206	103	200	0.590		
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846		
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND						

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.8 % 39.9-141

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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

\*=Accredited Analyte

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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

Company Name: <u>Enselum, LLC.</u>		P.O. #: <u>4502695200</u>		BILL TO		ANALYSIS REQUEST													
Project Manager: <u>Kelly Louser</u>		Company:																	
Address: <u>601 N. Mariensfeld St. STE 400</u>		Attn: <u>Daniel Sparks</u>																	
City: <u>Midland</u>		Address:																	
Phone #: <u>214-733-3165</u>		City:																	
Project #: <u>03B1417305</u>		State:																	
Project Name: <u>Calmon 35-2 C13</u>		Project Owner: <u>NA</u>																	
Project Location: <u>Eddy County</u>		State:																	
Sampler Name: <u>Karen Shimada</u>		Phone #:																	
FOR LAB USE ONLY		Fax #:																	
Lab I.D.	Sample I.D.	Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH	Chlorides	Other
<u>132595D</u>	<u>1502</u>	<u>1</u>	<u>6</u>	<u>1</u>			<u>X</u>							<u>12-31-25</u>	<u>1628</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>1502</u>	<u>4</u>	<u>1</u>	<u>1</u>			<u>X</u>							<u>12-31-25</u>	<u>1642</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>1502</u>	<u>6</u>	<u>1</u>	<u>1</u>			<u>X</u>							<u>12-31-25</u>	<u>1650</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>1502</u>	<u>9</u>	<u>1</u>	<u>1</u>			<u>X</u>							<u>12-31-25</u>	<u>912</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>1502</u>	<u>14</u>	<u>1</u>	<u>1</u>			<u>X</u>							<u>12-31-25</u>	<u>1118</u>	<u>X</u>	<u>X</u>	<u>X</u>	
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Relinquished By: <u>[Signature]</u>		Date: <u>12-31-25</u>		Time: <u>10:41</u>		Received By: <u>[Signature]</u>		Date: <u>12-31-25</u>		Time: <u>10:41</u>		Received By: <u>[Signature]</u>		Date: <u>12-31-25</u>		Time: <u>10:41</u>		Received By: <u>[Signature]</u>	
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		Checked By: (Initials)		Thermometer ID #140		Turnaround Time: <u>3-Days</u>		Standard		Bacteria (only) Sample Condition		Corrected Temp. °C	
<input type="checkbox"/> UPS <input type="checkbox"/> Bils <input type="checkbox"/> Other:		<u>5.31</u>		<u>5.01</u>		<input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<u>[Signature]</u>		<u>12-31-25</u>		<u>24 hours</u>		<input type="checkbox"/> Standard <input type="checkbox"/> Rush		<input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<u>12-31-25</u>	
REMARKS: <u>Flowery @ enselum.com, kshimada@enselum.com</u> <u>3-Days</u> <u>Standard</u> <u>24 hours</u> <u>corrected per client. Speeding up</u> <u>12-31-25</u>																			

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



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

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January 02, 2026

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/31/25 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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:	12/31/2025	Sampling Date:	12/30/2025
Reported:	01/02/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: LS 01 0 (H257951-01)**

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	12/31/2025	ND	2.09	104	2.00	7.38	
Toluene*	<0.050	0.050	12/31/2025	ND	1.85	92.4	2.00	7.54	
Ethylbenzene*	<0.050	0.050	12/31/2025	ND	1.91	95.6	2.00	5.87	
Total Xylenes*	<0.150	0.150	12/31/2025	ND	5.91	98.6	6.00	7.72	
Total BTEX	<0.300	0.300	12/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2026	ND	206	103	200	0.590	
<b>DRO &gt;C10-C28*</b>	<b>110</b>	10.0	01/02/2026	ND	216	108	200	0.846	
<b>EXT DRO &gt;C28-C36</b>	<b>13.9</b>	10.0	01/02/2026	ND					

Surrogate: 1-Chlorooctane 108 % 52.4-130

Surrogate: 1-Chlorooctadecane 116 % 39.9-141

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:	12/31/2025	Sampling Date:	12/30/2025
Reported:	01/02/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: LS 01 4 (H257951-02)**

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	01/01/2026	ND	2.09	104	2.00	7.38	
Toluene*	<0.050	0.050	01/01/2026	ND	1.85	92.4	2.00	7.54	
Ethylbenzene*	<0.050	0.050	01/01/2026	ND	1.91	95.6	2.00	5.87	
Total Xylenes*	<0.150	0.150	01/01/2026	ND	5.91	98.6	6.00	7.72	
Total BTEX	<0.300	0.300	01/01/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-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	01/02/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2026	ND	206	103	200	0.590	
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND					

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 112 % 39.9-141

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:	12/31/2025	Sampling Date:	12/30/2025
Reported:	01/02/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: LS 01 6 (H257951-03)**

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	01/01/2026	ND	2.09	104	2.00	7.38	
Toluene*	<0.050	0.050	01/01/2026	ND	1.85	92.4	2.00	7.54	
Ethylbenzene*	<0.050	0.050	01/01/2026	ND	1.91	95.6	2.00	5.87	
Total Xylenes*	<0.150	0.150	01/01/2026	ND	5.91	98.6	6.00	7.72	
Total BTEX	<0.300	0.300	01/01/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2026	ND	206	103	200	0.590	
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND					

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 113 % 39.9-141

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:	12/31/2025	Sampling Date:	12/31/2025
Reported:	01/02/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: LS 01 9 (H257951-04)**

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	01/01/2026	ND	2.09	104	2.00	7.38	
Toluene*	<0.050	0.050	01/01/2026	ND	1.85	92.4	2.00	7.54	
Ethylbenzene*	<0.050	0.050	01/01/2026	ND	1.91	95.6	2.00	5.87	
Total Xylenes*	<0.150	0.150	01/01/2026	ND	5.91	98.6	6.00	7.72	
Total BTEX	<0.300	0.300	01/01/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2026	ND	206	103	200	0.590	
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 107 % 39.9-141

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:	12/31/2025	Sampling Date:	12/31/2025
Reported:	01/02/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: LS 01 14 (H257951-05)**

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	01/01/2026	ND	2.09	104	2.00	7.38		
Toluene*	<0.050	0.050	01/01/2026	ND	1.85	92.4	2.00	7.54		
Ethylbenzene*	<0.050	0.050	01/01/2026	ND	1.91	95.6	2.00	5.87		
Total Xylenes*	<0.150	0.150	01/01/2026	ND	5.91	98.6	6.00	7.72		
Total BTEX	<0.300	0.300	01/01/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-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	01/02/2026	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/02/2026	ND	206	103	200	0.590		
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846		
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND						

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 109 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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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

\*=Accredited Analyte

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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**

Company Name: <u>Ensolium, LLC</u> Project Manager: <u>Kelly Lawers</u> Address: <u>601 N. Hansenfeld St. STE400</u> City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u> Phone #: <u>214-733-3165</u> Fax #: <u>NA</u> Project #: <u>03B1417305</u> Project Owner: <u>N/A</u> Project Name: <u>Calman 35-2 CTB</u> Project Location: <u>Eddy County</u> Sampler Name: <u>Kaoru Shimada</u>		P.O. #: <u>4502695200</u> Company: _____ Attn: <u>Daniel Sparks</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Corrected Temp. °C: _____ Observed Temp. °C: _____ Date: <u>12-31-25</u> Time: <u>11:11</u>		Received By: <u>Scott Rigum</u> Date: _____ Time: _____ Received Temp. °C: _____ Observed Temp. °C: _____ Corrected Temp. °C: _____	
Relinquished By: _____ Date: _____ Time: _____		Received By: _____ Date: _____ Time: _____	
Turndown Time: <u>3 Day</u> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input checked="" type="checkbox"/> Sample Condition <input type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C _____ No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C _____		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: <u>Blowers @ensolium.com kaorushimada@ensolium.com</u>	

Lab I.D.	Sample I.D.	Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
1857951	LS01	4	(G)	1							12-30-25	849	BTEX 8021B
2	LS01	6	(G)	1							12-30-25	1317	TPH 8015M
3	LS01	9	(G)	1							12-31-25	1329	Chlorides 4500
4	LS01	14	(G)	1							12-31-25	1405	
	NA												



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

---

January 02, 2026

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/31/25 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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:	12/31/2025	Sampling Date:	12/30/2025
Reported:	01/02/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: FS 27 14 (H257952-01)**

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	01/01/2026	ND	2.09	104	2.00	7.38	
Toluene*	<0.050	0.050	01/01/2026	ND	1.85	92.4	2.00	7.54	
Ethylbenzene*	<0.050	0.050	01/01/2026	ND	1.91	95.6	2.00	5.87	
Total Xylenes*	<0.150	0.150	01/01/2026	ND	5.91	98.6	6.00	7.72	
Total BTEX	<0.300	0.300	01/01/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

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	01/02/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2026	ND	206	103	200	0.590	
DRO >C10-C28*	<10.0	10.0	01/02/2026	ND	216	108	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	01/02/2026	ND					

Surrogate: 1-Chlorooctane 114 % 52.4-130

Surrogate: 1-Chlorooctadecane 116 % 39.9-141

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

**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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\*=Accredited Analyte

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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**

Company Name: <u>Ensolum, LLC</u> Project Manager: <u>Kelly Lowery</u> Address: <u>601 N. Marinsfeld St STE 400</u> City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u> Phone #: <u>214-733-3165</u> Fax #: <u>NA</u> Project #: <u>03B1417305</u> Project Owner: <u>NA</u> Project Name: <u>Calmon 35-2 CTB</u> Project Location: <u>Eddy County</u> Sampler Name: <u>Yaorn Shimada</u>		<b>BILL TO</b> P.O. #: <u>4502695200</u> Company: Attn: <u>Daniel Sparks</u> Address: City: State: Zip:		<b>ANALYSIS REQUEST</b>	
FOR LAB USE ONLY Lab I.D. <u>Wassasa</u> Sample I.D. <u>FS27</u> Depth <u>(5ft)</u> <u>h</u> <u>FS27</u> <u>14</u> <u>G</u> <u>1</u>		MATRIX (G)RAB OR (C)OMP. <u>G</u> # CONTAINERS <u>1</u> GROUNDWATER <u>X</u> WASTEWATER <u>X</u> SOIL <u>X</u> OIL <u>X</u> SLUDGE <u>X</u> OTHER: ACID/BASE: ICE / COOL <u>X</u> OTHER:		PRESERV. <u>X</u> DATE <u>1510</u> TIME <u>12:30:25</u> DATE <u>1526</u> TIME <u>12:30:25</u>	
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		RECEIVED BY: <u>SK</u> DATE: <u>10/11/11</u>		ANALYSIS RESULTS: BTEX 8021B <u>X</u> TPH 8015M <u>X</u> Chlorides 4500 <u>X</u> hold <u>X</u> <u>12-31-2025</u>	
Relinquished By: <u>[Signature]</u> Date: <u>10/11/11</u>		Received By: <u>SK</u> Date: <u>10/11/11</u>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: <u>0408401K</u> All Results are emailed. Please provide Email address: REMARKS: <u>Kloney@Ensolum.com, hshimada@ensolum.com</u> <u>3 Day TAT just hold 15'</u>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: <u>5.3</u> Corrected Temp. °C: <u>5.10</u>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) <input type="checkbox"/> Yes <input type="checkbox"/> No Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> Rush Thermometer ID #140 Correction Factor +0.3°C	
CHECKED BY: <u>[Signature]</u> (Initials)		Observed Temp. °C: <u>5.3</u> Corrected Temp. °C: <u>5.10</u>		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: <u>5.3</u> Corrected Temp. °C: <u>5.10</u>	

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



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

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January 12, 2026

KELLY LOWERY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/09/26 12:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	01/09/2026	Sampling Date:	01/09/2026
Reported:	01/12/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY-EDDY COUNTY, NM		

**Sample ID: LS-01 0.25 (H260136-01)**

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	01/09/2026	ND	1.83	91.4	2.00	6.60	
Toluene*	<0.050	0.050	01/09/2026	ND	1.90	95.0	2.00	5.79	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	1.92	95.9	2.00	5.46	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	5.69	94.8	6.00	5.60	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	01/12/2026	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	201	101	200	0.980	
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	206	103	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 97.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.7 % 39.9-141

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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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	01/09/2026	Sampling Date:	01/09/2026
Reported:	01/12/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY-EDDY COUNTY, NM		

**Sample ID: LS-02 0 (H260136-02)**

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	01/09/2026	ND	1.83	91.4	2.00	6.60		
Toluene*	<0.050	0.050	01/09/2026	ND	1.90	95.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	1.92	95.9	2.00	5.46		
Total Xylenes*	<0.150	0.150	01/09/2026	ND	5.69	94.8	6.00	5.60		
Total BTEX	<0.300	0.300	01/09/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/12/2026	ND	448	112	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	01/10/2026	ND	190	95.1	200	2.70		
DRO >C10-C28*	<10.0	10.0	01/10/2026	ND	178	89.0	200	2.76		
EXT DRO >C28-C36	<10.0	10.0	01/10/2026	ND						

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 125 % 39.9-141

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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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	01/09/2026	Sampling Date:	01/09/2026
Reported:	01/12/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY-EDDY COUNTY, NM		

**Sample ID: LS-03 0 (H260136-03)**

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	01/09/2026	ND	1.83	91.4	2.00	6.60		
Toluene*	<0.050	0.050	01/09/2026	ND	1.90	95.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	1.92	95.9	2.00	5.46		
Total Xylenes*	<0.150	0.150	01/09/2026	ND	5.69	94.8	6.00	5.60		
Total BTEX	<0.300	0.300	01/09/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 70.4-141

Chloride, SM4500CI-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	01/12/2026	ND	448	112	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	01/10/2026	ND	190	95.1	200	2.70		
DRO >C10-C28*	<10.0	10.0	01/10/2026	ND	178	89.0	200	2.76		
EXT DRO >C28-C36	<10.0	10.0	01/10/2026	ND						

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 129 % 39.9-141

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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	01/09/2026	Sampling Date:	01/09/2026
Reported:	01/12/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY-EDDY COUNTY, NM		

**Sample ID: LS-03 0.25 (H260136-04)**

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	01/09/2026	ND	1.83	91.4	2.00	6.60	
Toluene*	<0.050	0.050	01/09/2026	ND	1.90	95.0	2.00	5.79	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	1.92	95.9	2.00	5.46	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	5.69	94.8	6.00	5.60	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/12/2026	ND	448	112	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	01/10/2026	ND	190	95.1	200	2.70	
DRO >C10-C28*	<10.0	10.0	01/10/2026	ND	178	89.0	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	01/10/2026	ND					

Surrogate: 1-Chlorooctane 108 % 52.4-130

Surrogate: 1-Chlorooctadecane 127 % 39.9-141

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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	01/09/2026	Sampling Date:	01/09/2026
Reported:	01/12/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY-EDDY COUNTY, NM		

**Sample ID: LS-04 0 (H260136-05)**

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	01/09/2026	ND	1.83	91.4	2.00	6.60		
Toluene*	<0.050	0.050	01/09/2026	ND	1.90	95.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	1.92	95.9	2.00	5.46		
Total Xylenes*	<0.150	0.150	01/09/2026	ND	5.69	94.8	6.00	5.60		
Total BTEX	<0.300	0.300	01/09/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/12/2026	ND	448	112	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	01/10/2026	ND	190	95.1	200	2.70		
DRO >C10-C28*	<10.0	10.0	01/10/2026	ND	178	89.0	200	2.76		
EXT DRO >C28-C36	<10.0	10.0	01/10/2026	ND						

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 124 % 39.9-141

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  
 KELLY LOWERY  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	01/09/2026	Sampling Date:	01/09/2026
Reported:	01/12/2026	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Alyssa Parras
Project Location:	OXY-EDDY COUNTY, NM		

**Sample ID: LS-04 0.25 (H260136-06)**

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	01/09/2026	ND	1.83	91.4	2.00	6.60		
Toluene*	<0.050	0.050	01/09/2026	ND	1.90	95.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	1.92	95.9	2.00	5.46		
Total Xylenes*	<0.150	0.150	01/09/2026	ND	5.69	94.8	6.00	5.60		
Total BTEX	<0.300	0.300	01/09/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/12/2026	ND	448	112	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	01/10/2026	ND	190	95.1	200	2.70		
DRO >C10-C28*	<10.0	10.0	01/10/2026	ND	178	89.0	200	2.76		
EXT DRO >C28-C36	<10.0	10.0	01/10/2026	ND						

Surrogate: 1-Chlorooctane 107 % 52.4-130

Surrogate: 1-Chlorooctadecane 126 % 39.9-141

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS 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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Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <u>Ensolium LLC</u> Project Manager: <u>Kelly Lowery</u> Address: <u>601 Maricopa #400</u> City: <u>MIDLAND</u> State: <u>TX</u> Zip: <u>79701</u> Phone #: <u>432 230 3344</u> Fax #: <u></u> Project #: <u>03B1417305</u> Project Owner: <u></u> Project Name: <u>Colman 35-2 CTB</u> Project Location: <u>Eddy Co NM</u> Sampler Name: <u>Shane D. Hill</u>		<b>BILL TO</b> P.O. #: <u>4502695200</u> Company: <u>oxy</u> Attn: <u>Daniel Sparks</u> Address: <u></u> City: <u></u> State: <u></u> Zip: <u></u> Phone #: <u></u> Fax #: <u></u>		<b>ANALYSIS REQUEST</b>	
FOR LAB USE ONLY Lab I.D. <u>At 100130</u> Sample I.D. <u>Dep-L (P)</u>		(G)RAB OR (C)OMP. <u></u> # CONTAINERS <u></u> GROUNDWATER <u></u> WASTEWATER <u></u> SOIL <u>X</u> OIL <u></u> SLUDGE <u></u> OTHER: <u></u> ACID/BASE: <u></u> ICE / COOL <u></u> OTHER: <u></u>		MATRIX <u></u> PRESERV: <u></u> SAMPLING <u></u>	
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Relinquished By: <u>[Signature]</u> Date: <u>1-9-26</u> Time: <u>1:50</u> Relinquished By: <u>[Signature]</u> Date: <u>1-9-26</u> Time: <u></u>		Received By: <u>[Signature]</u> Date: <u></u> Time: <u></u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: <u></u> All Results are emailed. Please provide Email address: <u></u>	
Delivered By: (Circle One) <u>UPS</u> Observed Temp. °C <u>8.80</u> Corrected Temp. °C <u>89.1</u>		Sample Condition <u>Intact</u> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: <u>[Signature]</u> Turnaround Time: <u>NO RUSH</u> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #40 <u></u> Correction Factor +0.3°C +0.12 24h <u></u>	
REMARKS: <u>NO RUSH</u>		Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Observed Temp. °C <u></u> Corrected Temp. °C <u></u>	

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



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---

December 18, 2025

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

RE: CALMON 35-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/12/25 13:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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](http://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



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**Analytical Results For:**

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

Received:	12/12/2025	Sampling Date:	12/11/2025
Reported:	12/18/2025	Sampling Type:	Soil
Project Name:	CALMON 35-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417305	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: LEA LAND BACKFILL (H257717-01)**

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	12/15/2025	ND	1.92	96.1	2.00	1.19	
Toluene*	<0.050	0.050	12/15/2025	ND	2.10	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	12/15/2025	ND	2.13	106	2.00	3.58	
Total Xylenes*	<0.150	0.150	12/15/2025	ND	6.54	109	6.00	3.43	
Total BTEX	<0.300	0.300	12/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

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	12/15/2025	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	12/15/2025	ND	235	118	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	218	109	200	0.222	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.5 % 39.9-141

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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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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 OF 1

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. #: 4502695200

Address: 601 N. Marland St. STE 400

Company:

City: Midland State: TX Zip: 79701

Attn: Daniel Sparks

Phone #: 214-733-3165

Address:

Project #: 03B1417305

City:

Project Name: Calmon 35-2 CTB

State: Zip:

Project Location: Eddy County, NM

Phone #:

Sampler Name: Kaoru Shimada

Email:

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS			
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:	ICE / COOL				OTHER:		
1085717	1085717	NA		1								12-1-25	1455	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS

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Relinquished By: [Signature]

Received By: [Signature]

Date: 12/1/25

Time: 1455

Observed Temp. °C: 0.5

Corrected Temp. °C: 0.8

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

Sample Condition: Cool Intact

Checked By: [Signature]

Thermometer ID: #140

Correction Factor: +0.3

Standard: Bacteria (only) Sample Condition

Verbal Result: [ ] Yes [X] No

Add'l Phone #:

REMARKS: Paykey/AE/NomA/E: 3-Day TAT

Thermometer ID: #140

Correction Factor: +0.3

Observed Temp. °C: 0.5

Corrected Temp. °C: 0.8

Sample Condition: Cool Intact

Checked By: [Signature]

Thermometer ID: #140

Correction Factor: +0.3

Standard: Bacteria (only) Sample Condition

Verbal Result: [ ] Yes [X] No

Add'l Phone #:

FORM-006 R 3.2 10/07/21

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

QUESTIONS

Action 569502

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 569502
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2510844012
Incident Name	NAPP2510844012 CALMON 35-2 CTB @ FAPP2126664875
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2126664875] CALMON 35-2 CTB

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Calmon 35-2 CTB
Date Release Discovered	04/10/2025
Surface Owner	Private

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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

<b>Nature and Volume of Release</b>	
<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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Produced Water   Released: 15 BBL   Recovered: 0 BBL   Lost: 15 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Water transfer water line had a 1/2 inch nipple that was not threaded completely, causing the release.

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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 569502

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 569502
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

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

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

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
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: <b>Ensolum Company</b> Email: <b>Oxy_Midland@ensolum.com</b> Date: <b>03/31/2026</b>
----------------------------------------------------	--------------------------------------------------------------------------------------------------

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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 569502

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 569502
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1/2 and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	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
<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)	6400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	204
GRO+DRO (EPA SW-846 Method 8015M)	141
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	09/19/2025
On what date will (or did) the final sampling or liner inspection occur	01/09/2026
On what date will (or was) the remediation complete(d)	01/09/2026
What is the estimated surface area (in square feet) that will be reclaimed	5471
What is the estimated volume (in cubic yards) that will be reclaimed	515
What is the estimated surface area (in square feet) that will be remediated	5471
What is the estimated volume (in cubic yards) that will be remediated	515

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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

QUESTIONS, Page 4

Action 569502

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 569502
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	<a href="#">fEEM0112342028 LEA LAND LANDFILL</a>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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: <a href="#">Ensolum Company</a> Email: <a href="mailto:Oxy_Midland@ensolum.com">Oxy_Midland@ensolum.com</a> Date: 03/31/2026
----------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------

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.

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, Page 5

Action 569502

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 569502
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<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	The southern portion of the large excavation extent has been excavated to the maximum extent practicable (MEP) and is against active production equipment and a containment for a tank battery, which would require major facility deconstruction in order to address remaining impacted soils.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	3448
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1788
<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	fAPP2126664875 CALMON 35-2 CTB
Enter the well API (30-) on which this deferral should be granted	Not answered.
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: 03/31/2026

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

QUESTIONS, Page 6

Action 569502

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 569502
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>540507</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>01/09/2026</b>
What was the (estimated) number of samples that were to be gathered	<b>4</b>
What was the sampling surface area in square feet	<b>800</b>

**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	<b>No</b>
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**Santa Fe, NM 87505**

CONDITIONS

Action 569502

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 569502
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	OXY's deferral requests final remediation for (Incident Number NAPP2510844012) until final reclamation of the well pad/facility or major construction, whichever comes first. Ensolum and OXY do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil is the areas which include the sample points designated as "Deferral Area" on the Area of Requested Deferral Map (Figure 3B) that is limited to areas immediately adjacent to or below active production equipment and utilities, where remediation would require major facility deconstruction. 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.	4/1/2026