ENSOLUM

September 11, 2025

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

Re: Closure Request and Reclamation Plan
New Wave Old Indian Draw Frac Line
Incident Number NAPP2505952408
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of New Wave Energy Services Group (New Wave) and Mewbourne Oil Company (Mewbourne), has prepared this *Closure Request* to document excavation and soil sampling activities at the New Wave Old Indian Draw Frac Line (Site). The purpose of the excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan (Work Plan)*, was to address impacts to soil following a release of produced water. Based on field observations, field screening activities, and soil sample laboratory analytical results, Mewbourne is submitting this *Closure Request*, describing remedial activities that have occurred and requesting no further remediation for Incident Number NAPP2505952408.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B of Section 13, and Units B of Section 12, Township 22 South, Range 27 East, in Eddy County, New Mexico (source location: 32.39774°, -104.14157°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM) and private land managed by Select Water Solutions (Select).

On February 17, 2025, a produced water surface pipeline failed, resulting in the release of 1,137 barrels (bbls) of produced water onto an active right-of-way (ROW) and into the surrounding pasture area. A vacuum truck was dispatched to the Site and recovered 120 bbls of the released fluids. Mewbourne reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and Initial C-141 Application (C-141) on February 28, 2025. The release was assigned Incident Number NAPP2505952408.

Ensolum conducted assessment and delineation activities across an estimated 173,268 square-foot release area. Delineation soil sample laboratory analytical results indicated chloride impacts to soil existed up to a maximum depth of 6 feet below ground surface (bgs). The results were presented in a *Work Plan,* which was submitted on May 17, 2025, and approved with conditions by the NMOCD on June 2, 2025. The *Work Plan* is included in Appendix A and proposed excavation of impacted soil and confirmation soil sampling that included a 400 square-foot sampling frequency variance for all confirmation floor soil samples. The sampling variance frequency was denied. . The NMOCD conditions of approval are below.

"Remediation plan is approved as written except with the following conditions: 1. Mewbourne must complete the excavation and removal of impacted soils until confirmation samples collected from the

bottom and sidewalls of the excavation report NMOCD Closure Criteria per 19.15.29.12D NMAC has been achieved. 2. OCD denies the sampling frequency of 400 square feet (ft.2) per one (1) 5-point composite sample (5pcs) for the excavation floor samples. Must comply with 200 ft.2 per 19.15.29.12D (1c) NMAC for both excavation floor and sidewall confirmation samples. 3. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, Mewbourne must collect a minimum of one (1) 5pcs from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division."

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the approved *Work Plan*, 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): 100 mg/kg
- Chloride: 600 mg/kg

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between May 7 and August 6, 2025, Ensolum personnel were at the Site to oversee excavation activities and conduct confirmation soil sampling in accordance with the approved *Work Plan*. Excavation activities were performed using heavy equipment, hydro-vacuum trucks, and transport vehicles. To direct excavation activities, Ensolum personnel field screened the soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Following the removal of impacted soil, 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing.

Confirmation soil samples FS01 through FS668 were collected from the floor of the excavation at depths ranging from 1-foot to 8.5 feet bgs. Confirmation soil samples SW01 through SW71 were collected from the sidewalls of the excavation at depths ranging from ground surface to 8.5 feet bgs. Confirmation soil samples CS01 through CS193 were collected at the surface and from within the release area where excavation activities did not occur. Gaps in the numerical order of the confirmation soil samples (CS01 through CS193) are present due to excavation of failing samples. All excavated confirmation samples, with the exception of CS26 and CS34, which were excavated and resampled with the original nomenclature, and their corresponding confirmation floor samples and are presented on Table 1. The excavation extent and confirmation soil sample locations were mapped utilizing a Global Positioning System (GPS) unit and are depicted on Figures 1A through 1H. Photographic documentation of the excavation activities are provided in Appendix B.

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

diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

The final excavation extent measured approximately 173,379 square feet. A total of approximately 16,696 cubic yards of impacted soil was removed during the excavation activities. The impacted soil is in the process of being properly disposed of at the R360 Halfway Disposal in Hobbs, New Mexico. Copies of all disposal manifests will be made available upon request. The final excavation extent is in the process of being backfilled with material purchased locally and recontoured to match pre-existing Site conditions. Four representative 5-point composite samples (BF01 through BF04) were collected from the topsoil backfill material on July 18, 2025. The backfill soil samples were handled and submitted for the same COCs as described above, with the exception of chloride, which was analyzed following EPA 300.0 method, and submitted to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final excavation confirmation floor and sidewall soil samples, composite soil samples, and backfill soil samples indicated all COC concentrations were compliant with the Closure Criteria and reclamation standards. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix C.

RECLAMATION PLAN

Once the backfilling of the excavation is complete, the area will be recontoured to match pre-existing Site conditions. The soil in the vicinity of the release area includes predominately loamy fine sand (Tonuco loamy fine sand, 0 to 3 percent slopes, eroded). The Site will be seeded with BLM seed mix #2 for sandy sites at the rate specified in pounds of pure live seed (PLS) per acre.

Species/Cultivar	**PLS/Acre**
Sand dropseed (*Sporobolus cryptandrus*)	1.0
Sand love grass (*Eragrostis trichodes*)	1.0
Plains bristlegrass (*Setaria macrostachya*)	2.0

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled, and the seed will be raked in by chaining or dragging the Site.

VEGETATION MONITORING

The Site will be monitored for vegetation growth to verify reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Annual inspections will take place at the location to monitor revegetation progress.
- If necessary, an additional application of the BLM seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicators or mechanically/physically removed.

Reclamation activities will be documented via on-site monitoring and photographs will be included in a *Re-Vegetation Report* once vegetation growth in the reclaimed pasture area has a uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

CLOSURE REQUEST

Excavation activities were conducted at the Site as indicated in the *Work Plan* to address the February 17, 2025, release of produced water. A copy of the approved *Work Plan* is presented in Appendix A. Laboratory analytical results for all confirmation soil samples collected from the final excavation and release extent indicated COC concentrations were compliant with the Closure Criteria and reclamation requirements. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing Site conditions.

Excavation of soil has mitigated impacts to soil that exceeded Closure Criteria and reclamation requirements at the Site. Mewbourne believes these remedial actions are protective of human health, the environment, and groundwater. As such, Mewbourne respectfully requests no further remediation for Incident Number NAPP2505952408.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC

Jeremy Reich
Project Geologist

Tacoma Morrissey
Associate Principal

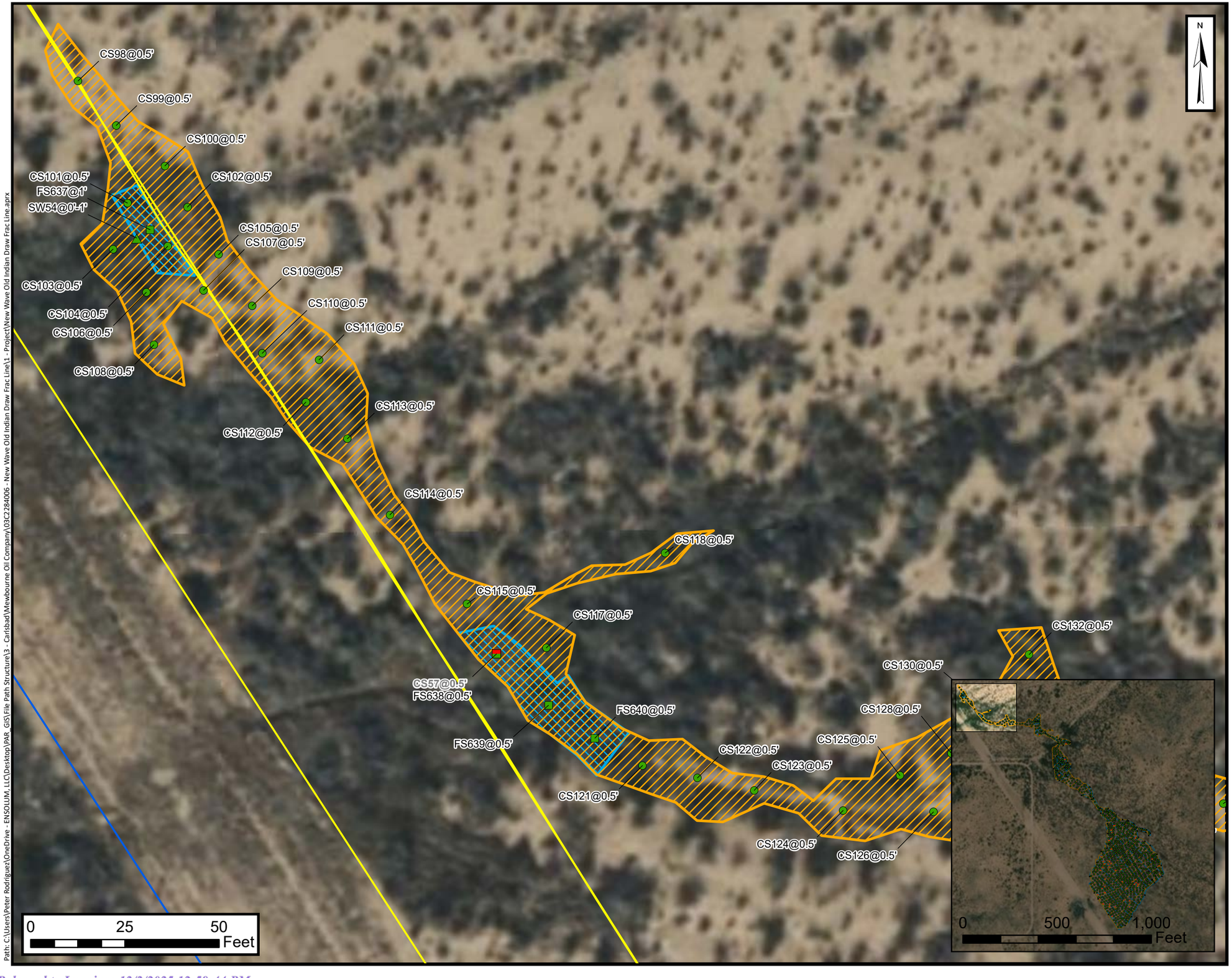
cc: Brock Molander, New Wave
Connor Walker, Mewbourne Operating Company
Jeff Broom, Mewbourne Operating Company
Matt Weiskopf, Select
Timsan Bricker, Select
BLM

Appendices:

Figure 1A	Confirmation Soil Sample Locations
Figure 1B	Confirmation Soil Sample Locations
Figure 1C	Confirmation Soil Sample Locations
Figure 1D	Confirmation Soil Sample Locations
Figure 1E	Confirmation Soil Sample Locations
Figure 1F	Confirmation Soil Sample Locations
Figure 1G	Confirmation Soil Sample Locations
Figure 1H	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	May 16, 2025, *Remediation Work Plan*
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation

ENSOLUM

FIGURES



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line\1 - Project\New Wave Old Indian Draw Frac Line.aprx

Legend

- Confirmation Floor Sample Compliant with Closure Criteria
- Confirmation Floor Sample Formerly Not Compliant with Closure Criteria
- Sidewall Sample Compliant with Closure Criteria
- Confirmations Soil Sample Compliant with Closure Criteria
- Confirmations Soil Sample Formerly Not Compliant with Closure Criteria
- Oil and Gas Utility Line
- Water Utility Line
- Surface Scrape Area
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface
Concentrations in **bold** exceed the NMOCD Table I
Closure Criteria or reclamation requirement where applicable.
Grey text indicated soil samples removed during excavation activities
Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

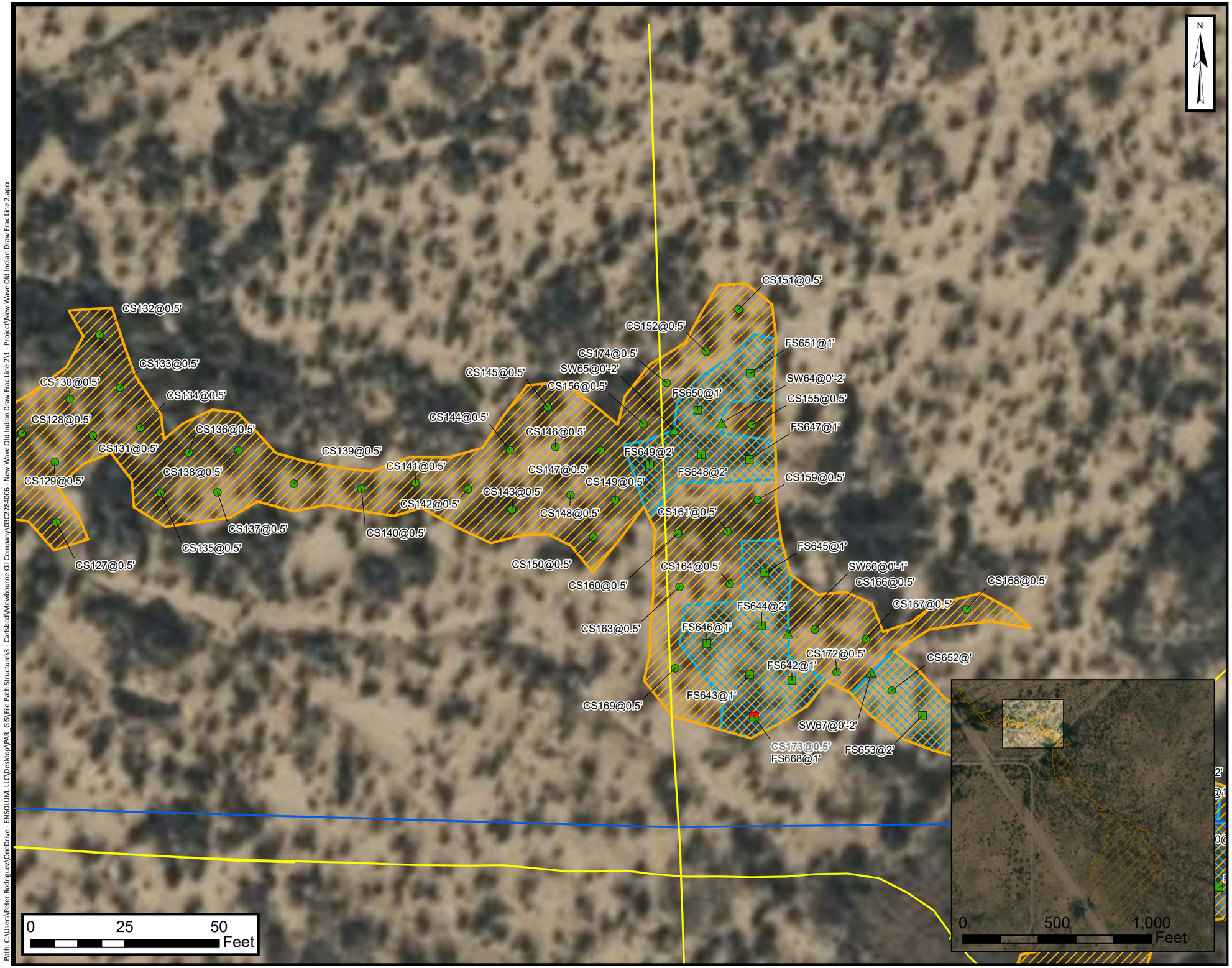
Confirmation Soil Sample Locations

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line

Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1A

Incident Number: NAPP2505952408



Legend

- Confirmation Floor Sample Compliant with Closure Criteria
- Confirmation Floor Sample Formerly Not Compliant with Closure Criteria
- Sidewall Sample Compliant with Closure Criteria
- Confirmations Soil Sample Compliant with Closure Criteria
- Confirmations Soil Sample Formerly Not Compliant with Closure Criteria
- Oil and Gas Utility Line
- Water Utility Line
- Release Extent
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface
Concentrations in **bold** exceed the NMOCD Table I
Closure Criteria or reclamation requirement where applicable.
Grey text indicated soil samples removed during excavation activities
Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Confirmation Soil Sample Locations

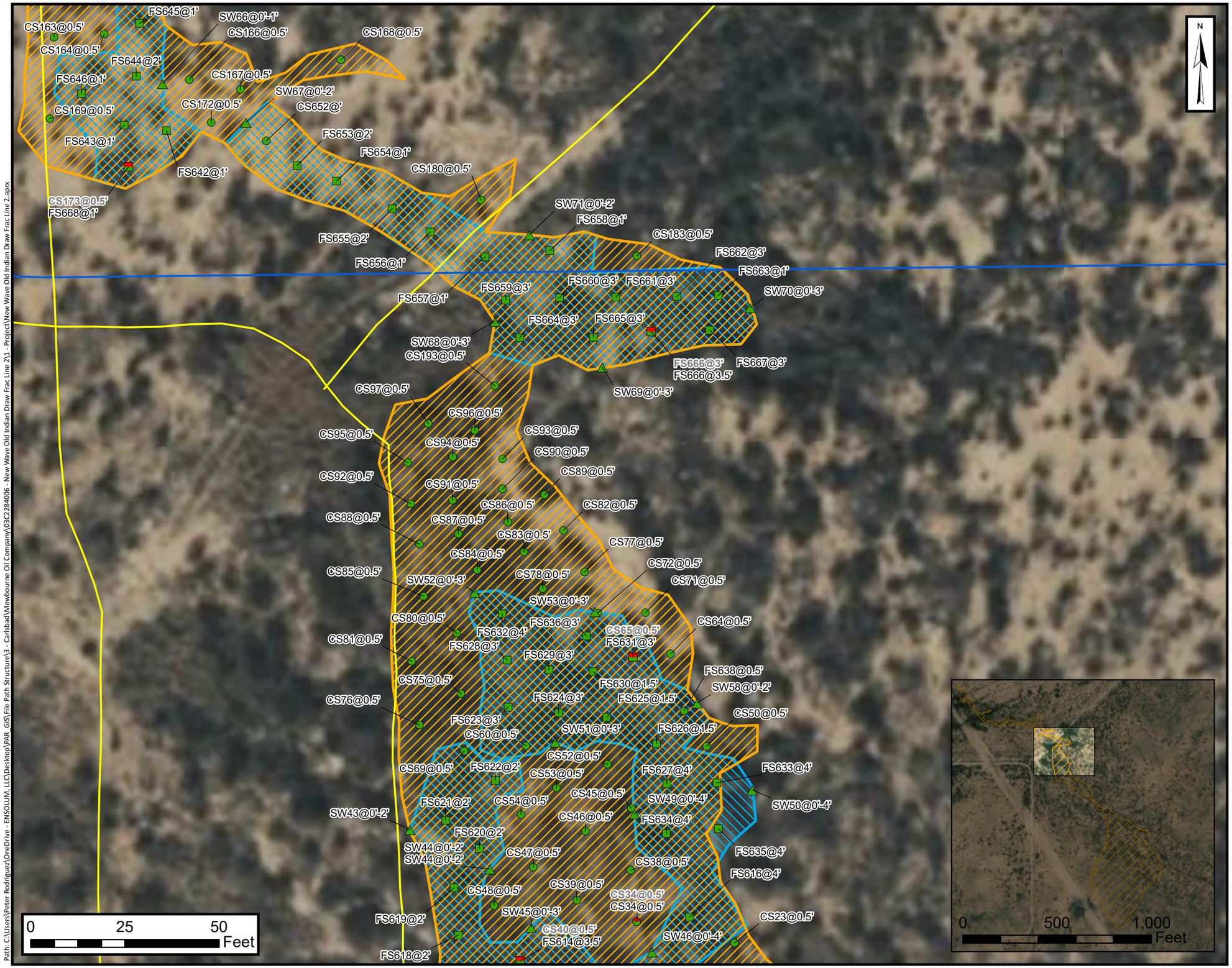
Mewbourne Oil Company
New Wave Old Indian Draw Frac Line

Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1B

Incident Number: NAPP2505952408

Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\New Wave Old Indian Draw Frac Line 2.aprx



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

Legend

- Confirmation Floor Sample Compliant with Closure Criteria
- Confirmation Floor Sample Formerly Not Compliant with Closure Criteria
- Sidewall Sample Compliant with Closure Criteria
- Confirmations Soil Sample Compliant with Closure Criteria
- Confirmations Soil Sample Formerly Not Compliant with Closure Criteria
- Oil and Gas Utility Line
- Water Utility Line
- Release Extent
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface
Concentrations in **bold** exceed the NMOCD Table I
Closure Criteria or reclamation requirement where applicable.
Grey text indicated soil samples removed during excavation activities
Source:
Environmental Systems Research Institute (ESRI)

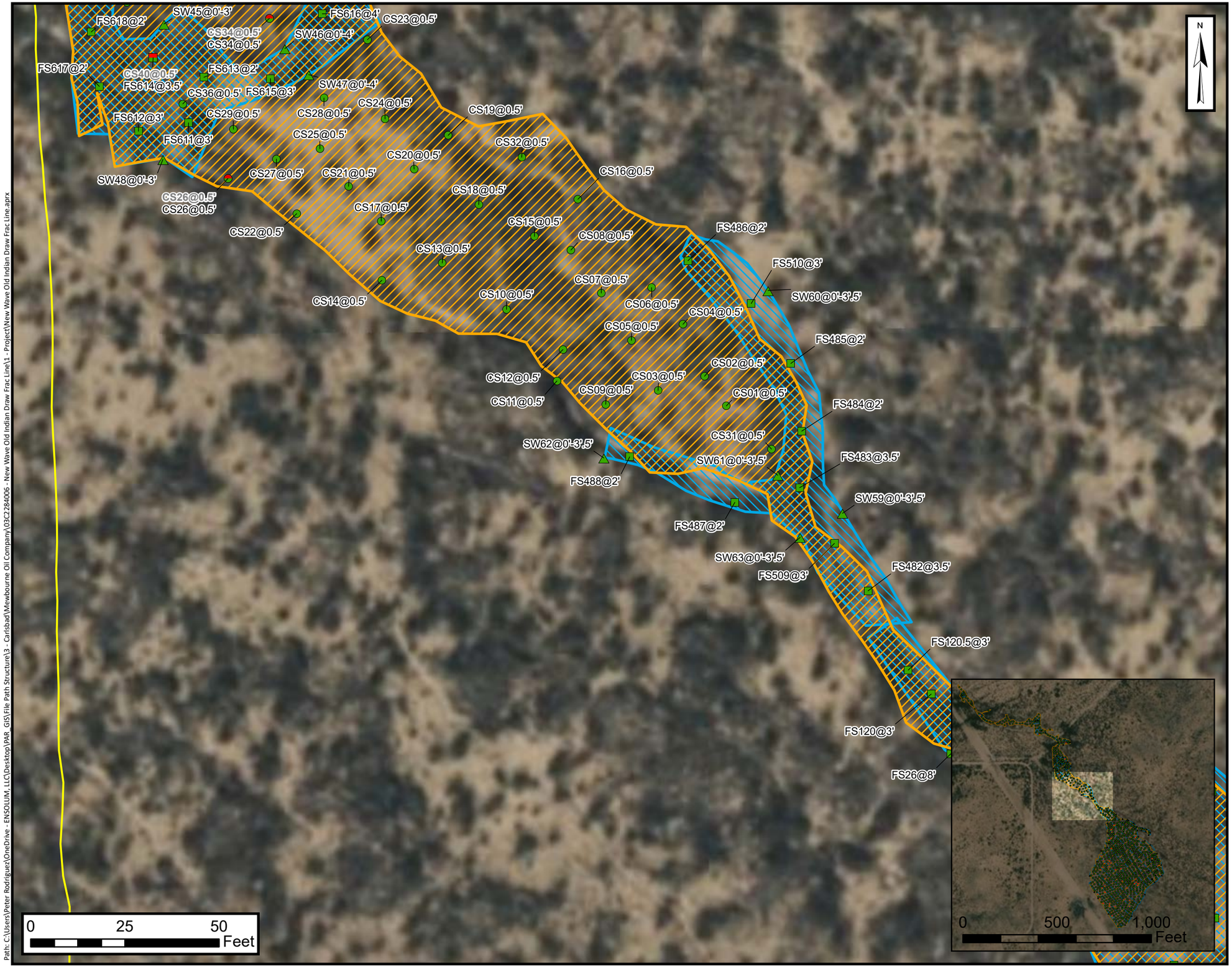
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Confirmation Soil Sample Locations

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line
Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1C

Incident Number: NAPP2505952408



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR GIS\File Path Structure\13 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line\1 - Project\New Wave Old Indian Draw Frac Line.aprx

Legend

- Confirmation Floor Sample Compliant with Closure Criteria
- Confirmation Floor Sample Formerly Not Compliant with Closure Criteria
- Sidewall Sample Compliant with Closure Criteria
- Confirmations Soil Sample Compliant with Closure Criteria
- Confirmations Soil Sample Formerly Not Compliant with Closure Criteria
- Oil and Gas Utility Line
- Surface Scrape Area
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface
Concentrations in **bold** exceed the NMOCD Table I
Closure Criteria or reclamation requirement where applicable.
Grey text indicated soil samples removed during excavation activities
Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

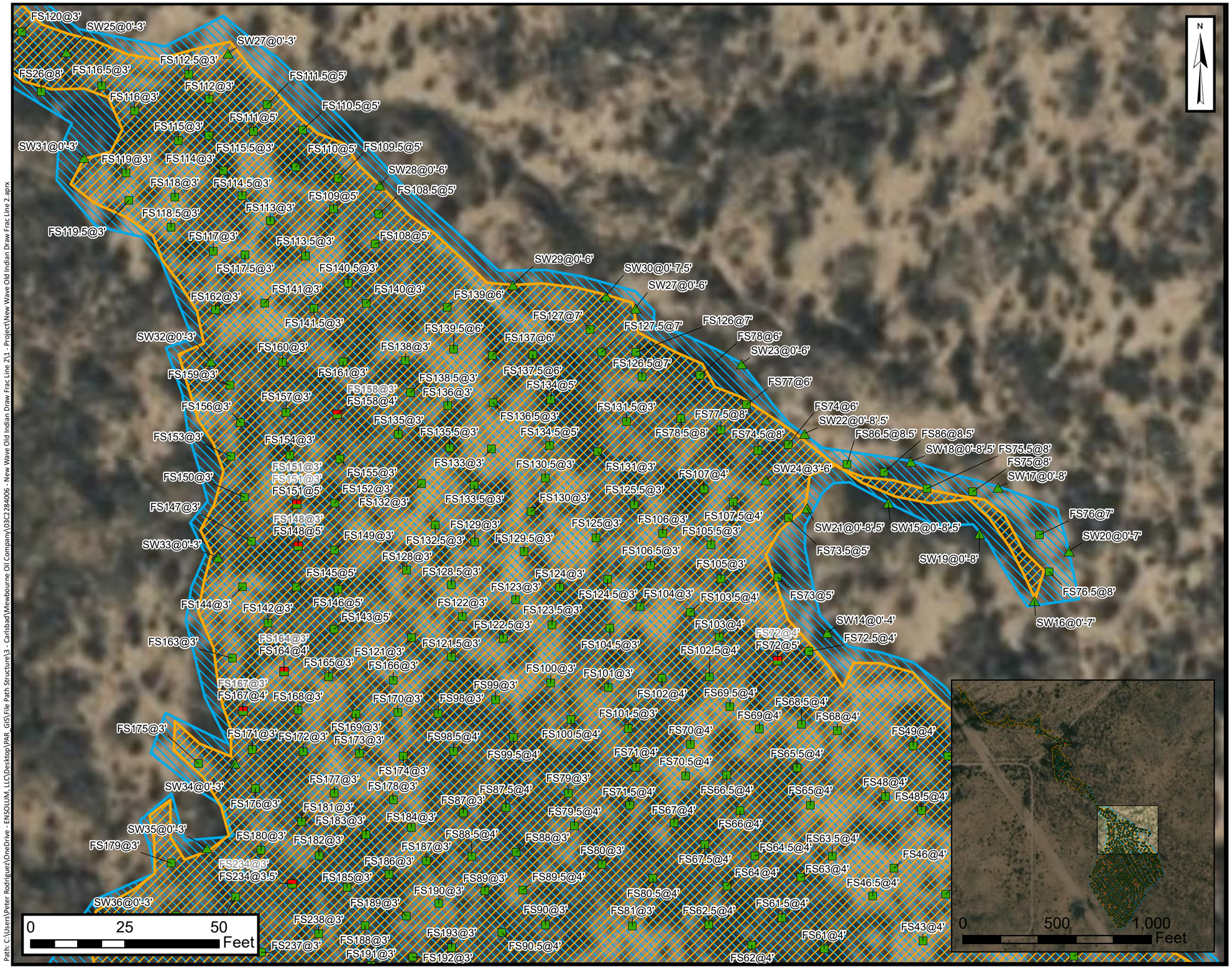
Confirmation Soil Sample Locations

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line

Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1D

Incident Number: NAPP2505952408



Legend

- Confirmation Floor Sample Compliant with Closure Criteria
- Confirmation Floor Sample Formerly Not Compliant with Closure Criteria
- Sidewall Sample Compliant with Closure Criteria
- Confirmations Soil Sample Compliant with Closure Criteria
- Confirmations Soil Sample Formerly Not Compliant with Closure Criteria
- Release Extent
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface
Concentrations in **bold** exceed the NMOCD Table I
Closure Criteria or reclamation requirement where applicable.
Grey text indicated soil samples removed during excavation activities
Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

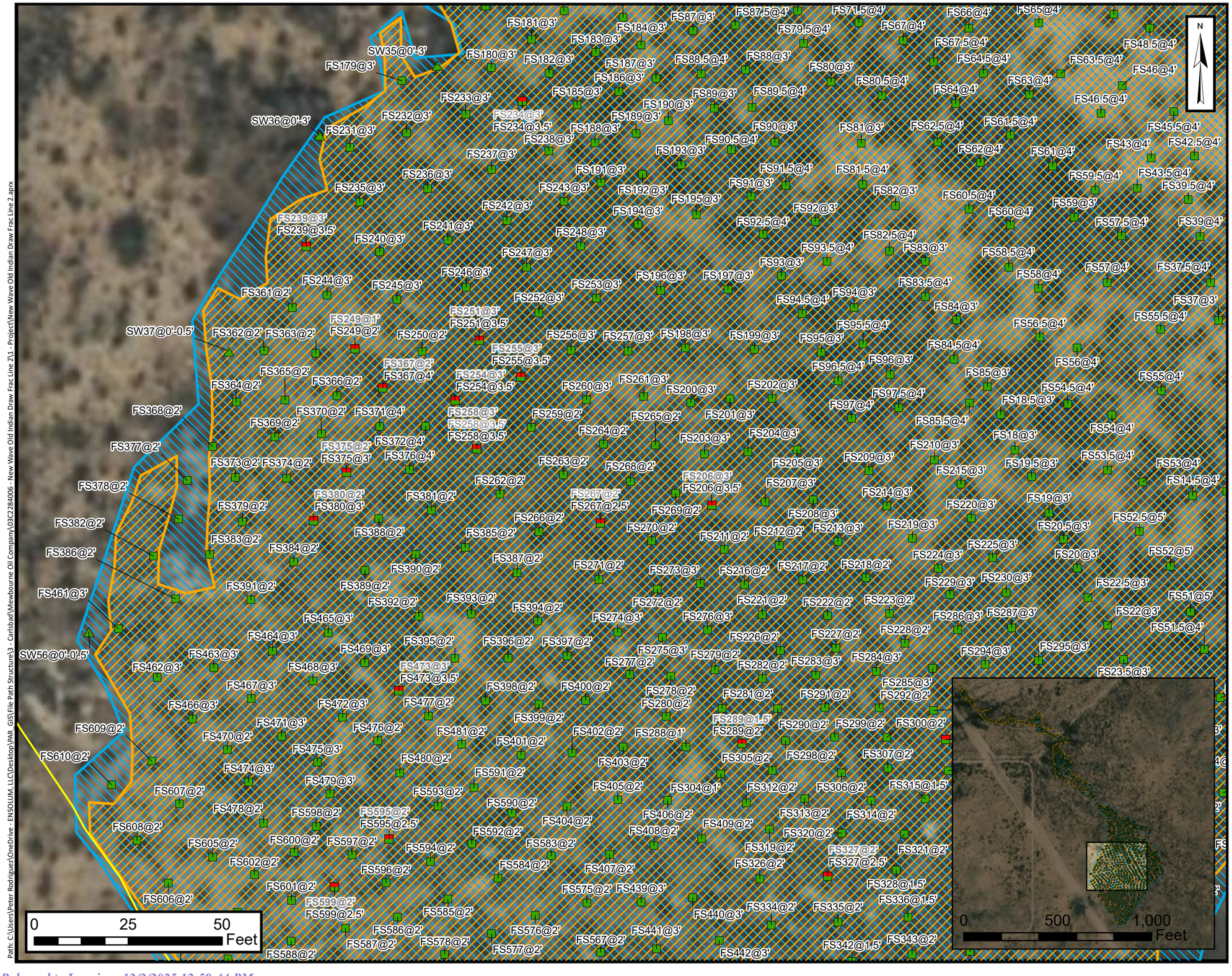
Confirmation Soil Sample Locations

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line
Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1E

Incident Number: NAPP2505952408

Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\13 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx



Legend

- Confirmation Floor Sample Compliant with Closure Criteria
- Confirmation Floor Sample Formerly Not Compliant with Closure Criteria
- Sidewall Sample Compliant with Closure Criteria
- Confirmations Soil Sample Compliant with Closure Criteria
- Confirmations Soil Sample Formerly Not Compliant with Closure Criteria
- Oil and Gas Utility Line
- Release Extent
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface
Concentrations in **bold** exceed the NMOCD Table I
Closure Criteria or reclamation requirement where applicable.
Grey text indicated soil samples removed during excavation activities
Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Confirmation Soil Sample Locations

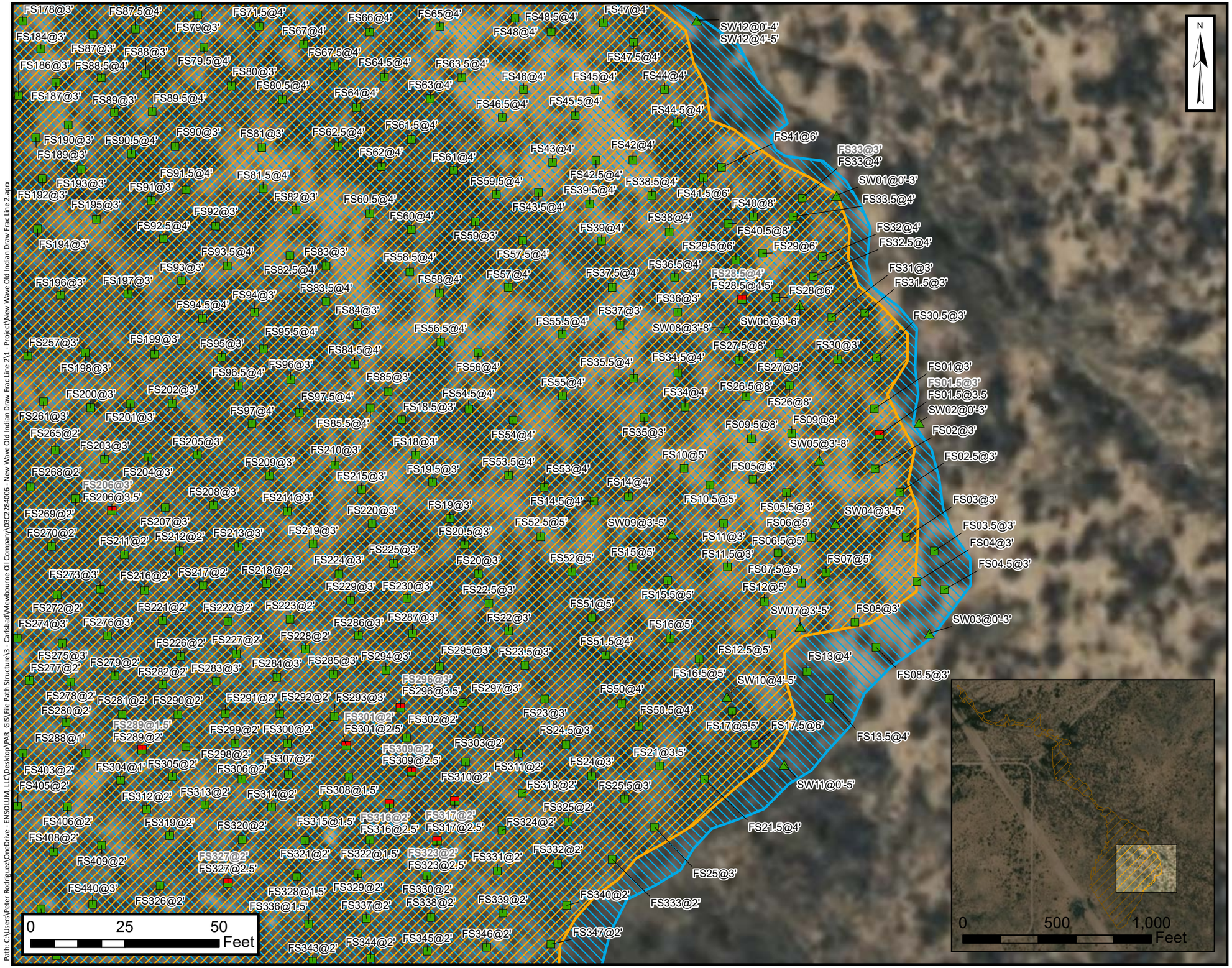
Mewbourne Oil Company
New Wave Old Indian Draw Frac Line

Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1F

Incident Number: NAPP2505952408

Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\New Wave Old Indian Draw Frac Line 2.aprx



Legend

- Confirmation Floor Sample Compliant with Closure Criteria
- Confirmation Floor Sample Formerly Not Compliant with Closure Criteria
- Sidewall Sample Compliant with Closure Criteria
- Confirmations Soil Sample Compliant with Closure Criteria
- Confirmations Soil Sample Formerly Not Compliant with Closure Criteria
- Release Extent
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface
Concentrations in **bold** exceed the NMOCD Table I
Closure Criteria or reclamation requirement where applicable.
Grey text indicated soil samples removed during excavation activities
Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

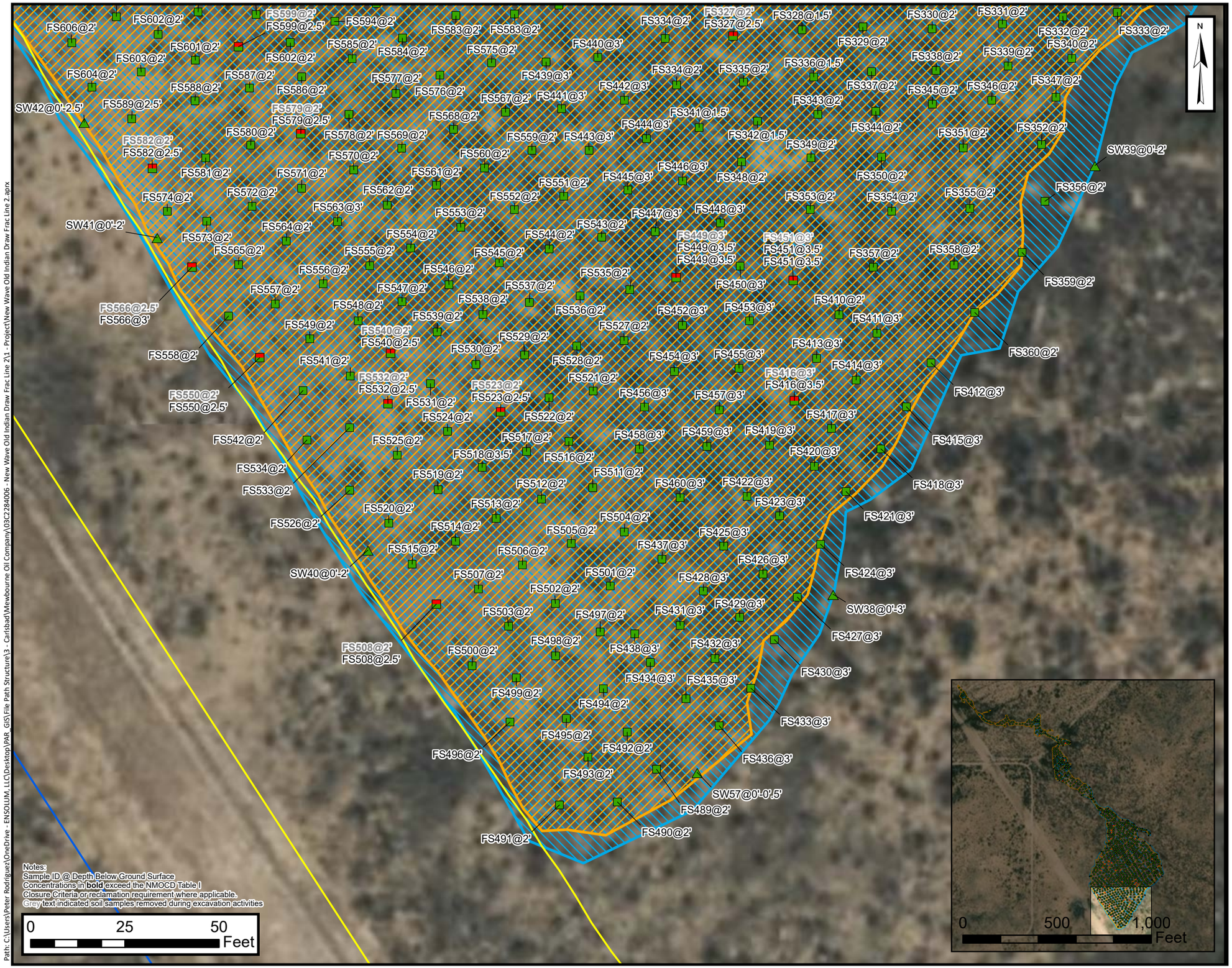
Confirmation Soil Sample Locations

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line
Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1G

Incident Number: NAPP2505952408

Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx



Notes:
Sample ID @ Depth Below Ground Surface
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.
Grey text indicated soil samples removed during excavation activities

Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

Legend

- Confirmation Floor Sample Compliant with Closure Criteria
- Confirmation Floor Sample Formerly Not Compliant with Closure Criteria
- Sidewall Sample Compliant with Closure Criteria
- Confirmations Soil Sample Compliant with Closure Criteria
- Confirmations Soil Sample Formerly Not Compliant with Closure Criteria
- Oil and Gas Utility Line
- Water Utility Line
- Release Extent
- Excavation Extent

Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Confirmation Soil Sample Locations

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line
Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1H

Incident Number: NAPP2505952408

ENSOLUM

TABLES

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Confirmation Floor Soil Samples										
FS01	05/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
~~FS01.5~~	~~06/05/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~672~~
FS01.5	06/13/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS02	05/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS2.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS03	05/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS3.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS04	05/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS4.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS05	05/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS5.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS06	05/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS6.5	06/05/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS07	05/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS7.5	06/05/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS08	05/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS8.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS09	05/07/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS9.5	06/05/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS10	05/09/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS10.5	06/05/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS11	05/08/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS11.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS12	05/08/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS12.5	06/05/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS13	05/08/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS13.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS14	05/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS14.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS15	05/15/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS15.5	06/05/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS16	05/15/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS16.5	06/05/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS17	05/14/2025	5.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS17.5	06/05/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS18	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS18.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS19	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS19.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS20	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS20.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS21	05/09/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS21.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS22	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS22.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS23	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS23.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS24	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS24.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS25	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS25.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS26	05/14/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS26.5	06/05/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS27	05/14/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS27.5	06/05/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS28	05/14/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
~~FS28.5~~	~~06/05/2025~~	~~4~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**928**~~
FS28.5	06/13/2025	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS29	05/14/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS29.5	06/05/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS30	05/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS30.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS31	05/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS31.5	06/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS32	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS32.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
~~FS33~~	~~05/16/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**864**~~
FS33	05/29/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS33.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS34	05/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS34.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS35	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS35.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS36	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS36.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS37	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS37.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS38	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS38.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS39	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS39.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS40	05/15/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS40.5	06/05/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS41	05/14/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS41.5	06/05/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS42	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS42.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS43	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS43.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS44	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS44.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS45	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS45.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS46	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS46.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS47	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS47.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS48	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS48.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS49	05/16/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS49.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS50	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS50.5	06/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS51	05/20/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS51.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS52	05/20/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS52.5	06/06/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS53	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS53.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS54	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS54.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS55	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS55.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS56	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS56.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS57	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS57.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS58	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS58.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS59	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS59.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS60	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS60.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS61	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS61.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS62	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS62.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
FS63	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS63.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS64	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS64.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS65	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS65.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS66	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS66.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS67	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS67.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS68	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS68.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS69	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS69.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS70	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS70.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS71	05/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS71.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
~~FS72~~	~~05/28/2025~~	~~4~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~160~~
FS72	05/29/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS72.5	06/06/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS73	05/30/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS73.5	06/06/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS74	05/30/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS74.5	06/09/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS75	05/27/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS75.5	06/09/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS76	05/23/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS76.5	06/09/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS77	05/30/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS77.5	06/09/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS78	05/30/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS78.5	06/09/2025	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS79	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS79.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS80	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS80.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS81	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS81.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS82	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS82.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS83	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS83.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS84	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS84.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS85	05/22/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS85.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS86	05/27/2025	8.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS86.5	06/10/2025	8.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS87	05/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS87.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS88	05/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS88.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS89	05/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS89.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS90	05/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS90.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS91	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS91.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS92	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS92.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS93	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS93.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS94	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS94.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS95	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS95.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS96	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS96.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS97	06/25/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS97.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS98	05/28/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS98.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS99	05/28/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS99.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS100	05/28/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS100.5	06/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS101	05/28/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS101.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS102	05/28/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS102.5	06/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS103	05/28/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS103.5	06/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS104	05/28/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS104.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS105	05/28/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS105.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS106	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS106.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS107	06/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS107.5	06/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS108	06/03/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS108.5	06/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS109	06/03/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS109.5	06/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS110	06/03/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS110.5	06/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS111	06/03/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS111.5	06/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS112	05/29/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS112.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS113	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS113.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS114	05/29/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS114.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS115	05/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS115.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS116	05/29/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS116.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS117	05/29/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS117.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS118	05/29/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS118.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS119	05/29/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS119.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS120	05/29/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS120.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS121	05/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS121.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS122	05/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS122.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS123	05/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS123.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS124	05/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS124.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS125	05/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS125.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS126	06/02/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS126.5	06/10/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS127	06/02/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
FS127.5	06/10/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS128	06/03/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS128.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS129	06/03/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS129.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS130	06/03/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS130.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS131	06/03/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS131.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS132	06/03/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS132.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS133	06/03/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS133.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS134	06/03/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS134.5	06/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS135	06/04/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS135.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS136	06/04/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS136.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS137	06/04/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS137.5	06/10/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS138	06/04/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS138.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS139	06/04/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS139.5	06/10/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS140	06/04/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS140.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS141	06/04/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS141.5	06/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS142	06/04/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS143	06/11/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS144	06/04/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS145	06/11/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS146	06/11/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS147	06/04/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS147	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
~~FS148~~	~~06/11/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~752~~
FS148	07/02/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS149	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS150	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
~~FS151~~	~~06/11/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~864~~
~~FS151~~	~~06/12/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~496~~
FS151	07/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS152	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS153	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS154	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS155	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS156	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS157	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
~~FS158~~	~~06/11/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~976~~
FS158	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS159	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS160	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS161	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS162	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS163	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
~~FS164~~	~~06/11/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~1,760~~
FS164	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS165	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS166	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
~~FS167~~	~~06/11/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~1,010~~
FS167	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS168	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS169	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS170	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS171	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS172	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS173	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS174	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS175	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS176	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS177	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS178	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS179	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS180	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS181	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS182	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS183	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS184	06/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS185	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS186	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS187	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS188	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS189	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS190	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS191	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS192	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS193	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS194	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS195	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS196	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS197	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS198	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS199	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS200	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS201	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS202	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS203	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS204	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS205	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
~~FS206~~	~~06/12/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~624~~
FS206	06/20/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS207	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS208	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS209	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS210	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS211	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS212	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS213	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS214	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS215	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS216	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS217	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS218	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS219	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS220	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS221	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS222	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS223	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS224	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS225	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS226	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS227	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS228	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS229	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS230	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS231	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS232	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS233	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
~~FS234~~	~~06/12/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~672~~
FS234	06/20/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS235	06/12/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS236	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS237	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS238	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
~~FS239~~	~~06/13/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**704**~~
FS239	07/02/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS240	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS241	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS242	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS243	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS244	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS245	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS246	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS247	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS248	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
~~FS249~~	~~06/13/2025~~	~~1~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**720**~~
FS249	07/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS250	06/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
~~FS251~~	~~06/13/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~2,240~~
FS251	07/02/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS252	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
FS253	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
~~FS254~~	~~06/13/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~3,800~~
FS254	07/02/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
~~FS255~~	~~06/13/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~864~~
FS255	07/14/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS256	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS257	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
~~FS258~~	~~06/13/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~4,960~~
~~FS258~~	~~07/03/2025~~	~~3.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~32.0~~
FS258	07/02/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS259	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS260	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS261	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS262	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS263	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS264	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS265	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS266	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
~~FS267~~	~~06/18/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~240~~
FS267	07/03/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS268	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS269	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS270	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS271	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS272	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS273	06/19/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS274	06/19/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS275	06/19/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS276	06/19/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS277	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
FS278	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS279	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS280	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS281	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS282	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS283	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS284	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS285	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS286	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS287	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS288	06/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
~~FS289~~	~~06/13/2025~~	~~1.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~992~~
FS289	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS290	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS291	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS292	06/16/2025	2	<0.050	<0.300	<10.0	23.6	18.1	23.6	41.7	176
FS293	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS294	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS295	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
~~FS296~~	~~06/13/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~944~~
FS296	07/03/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS297	06/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS298	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS299	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS300	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
~~FS301~~	~~06/16/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~800~~
FS301	07/02/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS302	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
FS303	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS304	06/18/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS305	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS306	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS307	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS308	06/18/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
~~FS309~~	~~06/16/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~1,340~~
FS309	07/02/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS310	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS311	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS312	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS313	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS314	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
FS315	06/18/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
~~FS316~~	~~06/16/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~1,090~~
FS316	07/02/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
~~FS317~~	~~06/16/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~992~~
FS317	07/02/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS318	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS319	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS320	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
FS321	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS322	06/18/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
~~FS323~~	~~06/16/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~1,300~~
FS323	07/02/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS324	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS325	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS326	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
~~FS327~~	~~06/16/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~848~~
FS327	07/02/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS328	06/18/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS329	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS330	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS331	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS332	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS333	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS334	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS335	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
FS336	06/18/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS337	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS338	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS339	06/16/2025	2	<0.050	<0.300	<10.0	10.2	<10.0	10.2	10.2	304
FS340	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS341	06/18/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS342	06/18/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS343	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS344	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS345	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS346	06/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
FS347	06/16/2025	2	<0.050	<0.300	<10.0	11.2	<10.0	11.2	11.2	144
FS348	07/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS349	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS350	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS351	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS352	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS353	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS354	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS355	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS356	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS357	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS358	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS359	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS360	06/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS361	06/18/2025	2	<0.050	<0.300	<10.0	13.3	<10.0	13.3	13.3	144
FS362	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS363	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS364	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS365	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS366	06/18/2025	2	<0.050	<0.300	<10.0	20.9	<10.0	20.9	20.9	432
~~FS367~~	~~06/18/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~2,050~~
FS367	06/24/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS368	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS369	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS370	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS371	06/24/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS372	06/24/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS373	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS374	06/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
~~FS375~~	~~06/18/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~672~~
FS375	07/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS376	06/24/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS377	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS378	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS379	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
~~FS380~~	~~06/19/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~640~~
FS380	07/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS381	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS382	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS383	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS384	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS385	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS386	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS387	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
FS388	06/25/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS389	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS390	06/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS391	06/20/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS392	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS393	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS394	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS395	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS396	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS397	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS398	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS399	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS400	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS401	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS402	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS403	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS404	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS405	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS406	06/21/2025	2	<0.050	<0.300	<10.0	13.8	<10.0	13.8	13.8	192
FS407	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS408	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS409	06/21/2025	2	<0.050	<0.300	<10.0	16.6	<10.0	16.6	16.6	80.0
FS410	06/21/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
FS411	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS412	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS413	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS414	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS415	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
~~FS416~~	~~06/21/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~704~~
FS416	07/02/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS417	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS418	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS419	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS420	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS421	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS422	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS423	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS424	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS425	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS426	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS427	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS428	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS429	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS430	06/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS431	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS432	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS433	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS434	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS435	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS436	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS437	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS438	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS439	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS440	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS441	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS442	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS443	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS444	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS445	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS446	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS447	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS448	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
~~FS449~~	~~06/23/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~672~~
FS449	07/02/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS449	07/08/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS450	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
~~FS451~~	~~06/23/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~640~~
FS451	07/02/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS451	07/08/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS452	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS453	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS454	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS455	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS456	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS457	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS458	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS459	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS460	06/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS461	06/24/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS462	07/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS463	07/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS464	06/24/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS465	06/24/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS466	07/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS467	06/24/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS468	07/14/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS469	07/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS470	07/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS471	07/09/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS472	07/09/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
~~FS473~~	~~07/02/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~624~~
FS473	07/14/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS474	07/09/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS475	07/09/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS476	07/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS477	07/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS478	07/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS479	07/09/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS480	07/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS481	07/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS482	07/07/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS483	07/07/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS484	07/08/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS485	07/08/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS486	07/08/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS487	07/08/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
FS488	07/08/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS489	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS490	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS491	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS492	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS493	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS494	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS495	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS496	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS497	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS498	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS499	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS500	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS501	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS502	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS503	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS504	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS505	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS506	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS507	07/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
~~FS508~~	~~07/09/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**704**~~
FS508	07/18/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS509	07/09/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS510	07/09/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS511	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS512	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS513	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS514	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS515	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS516	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS517	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS518	07/11/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS519	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS520	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS521	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS522	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
~~FS523~~	~~07/10/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**640**~~
FS523	07/18/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS524	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS525	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS526	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS527	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS528	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS529	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS530	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS531	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
~~FS532~~	~~07/10/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**624**~~
FS532	07/18/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS533	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS534	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS535	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS536	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS537	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS538	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS539	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
~~FS540~~	~~07/10/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**800**~~
FS540	07/18/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS541	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS542	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS543	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS544	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS545	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS546	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS547	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS548	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS549	07/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
~~FS550~~	~~07/10/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~**608**~~
FS550	07/18/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS551	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS552	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS553	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS554	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS555	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS556	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS557	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS558	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS559	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS560	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS561	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS562	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS563	07/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS564	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS565	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
~~FS566~~	~~07/11/2025~~	~~2.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~832~~
FS566	07/18/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS567	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS568	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS569	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS570	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS571	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS572	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS573	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS574	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS574	07/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS575	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS576	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS577	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS578	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
~~FS579~~	~~07/14/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~704~~
FS579	07/24/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS580	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS581	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
~~FS582~~	~~07/11/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~688~~
FS582	07/18/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS583	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS584	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS585	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS586	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS587	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS588	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS589	07/14/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS590	07/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS591	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS592	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS593	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS594	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
~~FS595~~	~~07/14/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~640~~
FS595	07/24/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS596	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS597	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS598	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
~~FS599~~	~~07/14/2025~~	~~2~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~656~~
FS599	07/24/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS600	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS601	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
FS602	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS603	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS604	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS605	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS606	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
FS607	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS608	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS609	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS610	07/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS611	07/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS612	07/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS613	07/15/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
~~CS40~~	~~07/02/2025~~	~~0.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~1,040~~
FS614	07/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS615	07/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS616	07/15/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS617	07/15/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS618	07/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS619	07/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS620	07/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS621	07/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS622	07/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS623	07/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS624	07/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS625	07/16/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS626	07/16/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS627	07/21/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS628	07/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS629	07/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS630	07/16/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
~~CS65~~	~~07/02/2025~~	~~0.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~688~~
FS631	07/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS632	07/21/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS633	07/21/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS634	07/21/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS635	07/21/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS636	07/21/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS637	07/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
~~CS57~~	~~07/02/2025~~	~~0.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~768~~
FS638	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS639	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS640	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS641	07/24/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS642	07/28/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS643	07/28/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS644	07/29/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS645	07/28/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS646	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS647	07/28/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS648	07/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS649	07/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS650	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS651	07/28/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS652	07/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS653	07/29/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS654	07/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS655	07/29/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS656	07/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS657	07/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS658	07/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS659	07/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS660	07/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS661	07/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS662	07/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS663	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS664	07/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS665	07/31/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
~~FS666~~	~~07/30/2025~~	~~3~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~624~~
FS666	08/06/2025	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS667	07/30/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
~~CS173~~	~~07/24/2025~~	~~0.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~656~~
FS668	08/01/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
Confirmation Sidewall Soil Samples										
SW01	05/12/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW02	05/12/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW03	05/12/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW04	05/14/2025	3-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW05	05/14/2025	3-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW06	05/14/2025	3-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW07	05/16/2025	3-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW08	05/15/2025	3-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW09	05/15/2025	3-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW10	05/15/2025	4-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW11	06/03/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW12	05/23/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW12	05/15/2025	4-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW13	05/23/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW14	05/30/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SW15	05/27/2025	0-8.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW16	05/23/2025	0-7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SW17	05/27/2025	0-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW18	05/28/2025	0-8.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW19	05/27/2025	0-8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW20	05/27/2025	0-7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW21	06/03/2025	0-8.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW22	06/03/2025	0-8.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW23	06/04/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW24	06/04/2025	3-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW25	06/12/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW26	06/12/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW27	06/17/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW28	06/17/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW29	06/17/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW30	06/17/2025	0-7.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW31	06/19/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW32	06/19/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW33	06/24/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW34	06/24/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW35	06/19/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW36	06/19/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SW37	07/23/2025	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW38	07/03/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW39	07/03/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW40	07/14/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW41	07/14/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW42	07/14/2025	0-2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW43	07/21/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW44	07/17/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW44	07/21/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW45	07/17/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW46	07/31/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW47	07/21/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW48	07/21/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW49	07/21/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SW50	07/21/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW51	07/21/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW52	07/21/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW53	07/21/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW54	07/22/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW55	07/23/2025	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW56	07/23/2025	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW57	07/23/2025	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW58	07/24/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW59	07/29/2025	0-3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW60	07/29/2025	0-3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW61	07/29/2025	0-3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW62	07/29/2025	0-3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW63	07/29/2025	0-3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW64	07/30/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW65	07/30/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SW66	07/30/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW67	07/31/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW68	07/31/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW69	07/31/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW70	07/31/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW71	07/31/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Composite Soil Samples										
CS01	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS02	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS03	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS04	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS05	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS06	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS07	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS08	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS09	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS10	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS11	06/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
CS12	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS13	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS14	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS15	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS16	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS17	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS18	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS19	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS20	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS21	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS22	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS23	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
CS24	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS25	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
~~CS26~~	~~06/26/2025~~	~~0.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~608~~
CS26	07/08/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS27	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS28	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS29	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS31	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS32	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
~~CS34~~	~~06/26/2025~~	~~0.5~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~<10.0~~	~~720~~
CS34	07/08/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS36	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS38	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS39	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS45	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS46	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS47	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS48	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS50	08/06/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
CS52	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS53	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS54	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
CS60	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS64	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS69	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS71	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS72	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS75	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS76	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS77	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS78	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS80	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS81	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS82	07/31/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS83	07/08/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS84	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS85	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS86	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS87	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS88	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS89	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS90	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS91	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS92	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS93	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS94	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS95	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS96	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS97	07/07/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS98	07/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS99	07/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS100	07/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS101	07/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS102	07/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS103	07/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS104	07/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
CS105	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS106	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS107	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS108	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS109	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS110	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS111	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS112	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS113	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS114	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS115	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS117	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS118	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS121	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS122	07/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS123	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS124	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS125	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS126	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS127	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS128	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS129	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS130	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS131	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS132	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS133	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS134	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS135	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS136	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS137	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS138	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS139	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS140	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS141	07/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
CS142	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS143	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS144	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS145	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS146	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS147	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS148	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS149	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS150	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS151	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS152	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS155	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS156	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS159	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS160	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS161	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS163	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS164	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS166	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS167	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS168	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
CS169	08/06/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS172	07/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
CS174	07/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS180	07/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS183	07/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS193	07/28/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Backfill Soil Samples										
BF01	07/18/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	111
BF02	07/18/2025	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	83.4
BF03	07/18/2025	0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	88.3
BF04	07/18/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	78.8

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: 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 NMOCD Table I Closure Criteria or reclamation requirement where applicable.

Grey text indicated soil samples removed during excavation activities

ENSOLUM

APPENDIX A

May 16, 2025, *Remediation Work Plan*

ENSOLUM

May 16, 2025

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

Re: Remediation Work Plan
New Wave Old Indian Draw Frac Line
Incident Number NAPP2505952408
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of New Wave Energy (New Wave) and Mewbourne Oil Company (Mewbourne), has prepared the following *Remediation Work Plan* (*Work Plan*) to document delineation activities completed to date and propose excavation of impacted soil identified at the New Wave Old Indian Draw Frac Line (Site). The purpose of the delineation activities was to define the lateral and vertical extent of impacted soil resulting from a produced water release. The following *Work Plan* proposes to excavate impacted soil and conduct confirmation soil sampling activities.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B of Section 13, and Units N and O of Section 12, Township 22 South, Range 27 East, in Eddy County, New Mexico (32.39774°, -104.14157°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM) and private land managed by Select Water Solutions (Select).

On February 17, 2025, a produced water surface pipeline failed, resulting in the release of 1,137 barrels (bbls) of produced water onto an active right-of-way (ROW) and into the surrounding pasture area. A vacuum truck was dispatched to the Site and recovered 120 bbls of the released fluids. New Wave reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and Initial C-141 Application (C-141) on February 28, 2025. The release was assigned Incident Number NAPP2505952408.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. On December 9, 2021, New Mexico Office of State Engineer (OSE) permitted well (C-4554) was advanced to a depth of 80 feet below ground surface (bgs) approximately 0.34 miles west of the Site. The recorded depth to groundwater after the well completion was finished was 18 feet bgs. The Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland, located approximately 4,290 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area).

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petrolum hydrocarbon (TPH): 100 mg/kg
- Chloride: 600 mg/kg

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On April 9, 2025, Ensolum personnel conducted Site assessment and delineation activities to evaluate the release extent based on information provided on the C-141 and visual observations. Twenty-four delineation soil samples (SS01 through SS24) were collected within and around the release extent from a depth of 0.5 feet bgs to assess the lateral and vertical extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

Between April 11 and April 15, 2025, Ensolum personnel returned to the Site to oversee vertical delineation of the release. Thirteen boreholes (PH01, BH01 through BH12) were advanced via hand auger and heavy equipment to depths ranging from 1-foot to 6 feet bgs. Delineation boreholes PH01 was advanced in the area of SS18, BH01 was advanced in the area of SS24, BH02 in the area of SS23, BH03 in the area of SS22, BH04 in the area of SS21, and BH05 in the area of SS20. Discrete delineation soil samples were collected from each borehole at depths ranging from 1-foot bgs to 6 feet bgs. Soil from the boreholes was field screened for VOCs and chloride as described above. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. Delineation soil samples collected from each borehole were handled and analyzed for the same COCs as described above and submitted to Cardinal. All boreholes and delineation soil sample locations are depicted on Figure 2.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples SS01 through SS17 collected outside the release extent, indicated COC concentrations were in compliance with the Closure Criteria and reclamation requirements, successfully defining the lateral extent of the release. Delineation soil samples SS18, PH01A, SS23, SS24, BH06, BH09, BH09A, BH11, BH11A, BH11B, BH11D, BH11E, BH12, and BH12A indicated chloride concentrations exceeded reclamation requirement standards. All other delineation soil samples collected indicated COC concentrations below the Closure Criteria and reclamation requirement standards. This includes all soil samples collected from the terminal depths of all boreholes advanced, thus, successfully defining the vertical extent of the release. Laboratory analytical results are summarized in Table 1 and the Laboratory Analytical Reports & Chain-of-Custody Documentation are presented in Appendix D.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing elevated concentrations exists across an approximate 173,268 square foot area and extends to a maximum depth of 6 feet bgs. New Wave proposes to complete the following remediation activities:

- Excavation of impacted soil to depths ranging from 1-foot to 6 feet bgs. An estimated 15,900 cubic yards impacted soil will be excavated. The excavated soil will be transferred a New Mexico approved landfill disposal facility for disposal.

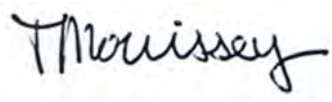
- Based on an estimated 173,268 square-foot release extent area, New Wave requests a variance for frequency of excavation confirmation soil samples. New Wave proposes the frequency of confirmation soil sampling for the excavation floor to be every 400 square feet. This would decrease the total amount of soil samples from approximately 866 samples (every 200 square feet) to approximately 433 samples (every 400 square feet). Each 5-point confirmation composite floor soil sample will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The proposed sampling grid and approximate excavation extent area is depicted on Figure 3b. All sidewall confirmation soil samples will be collected at a frequency of every 200 square feet (approximately 26 samples). The soil samples will be handled and analyzed for the same COCs described above and submitted to Cardinal.

- Following excavation and a review of confirmation soil sampling results indicating impacted soil has been removed, the excavation will be backfilled with locally procured like-material and recontoured to match pre-existing Site conditions and reseeded with a BLM approved seed mixture.

New Wave will proceed with the excavation and soil sampling activities and will submit a Closure Report within 90 days of the date of approval of this Work Plan by the NMOCD.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC



Jeremy Reich
Project Geologist

Tacoma Morrissey, MS
Associate Principal

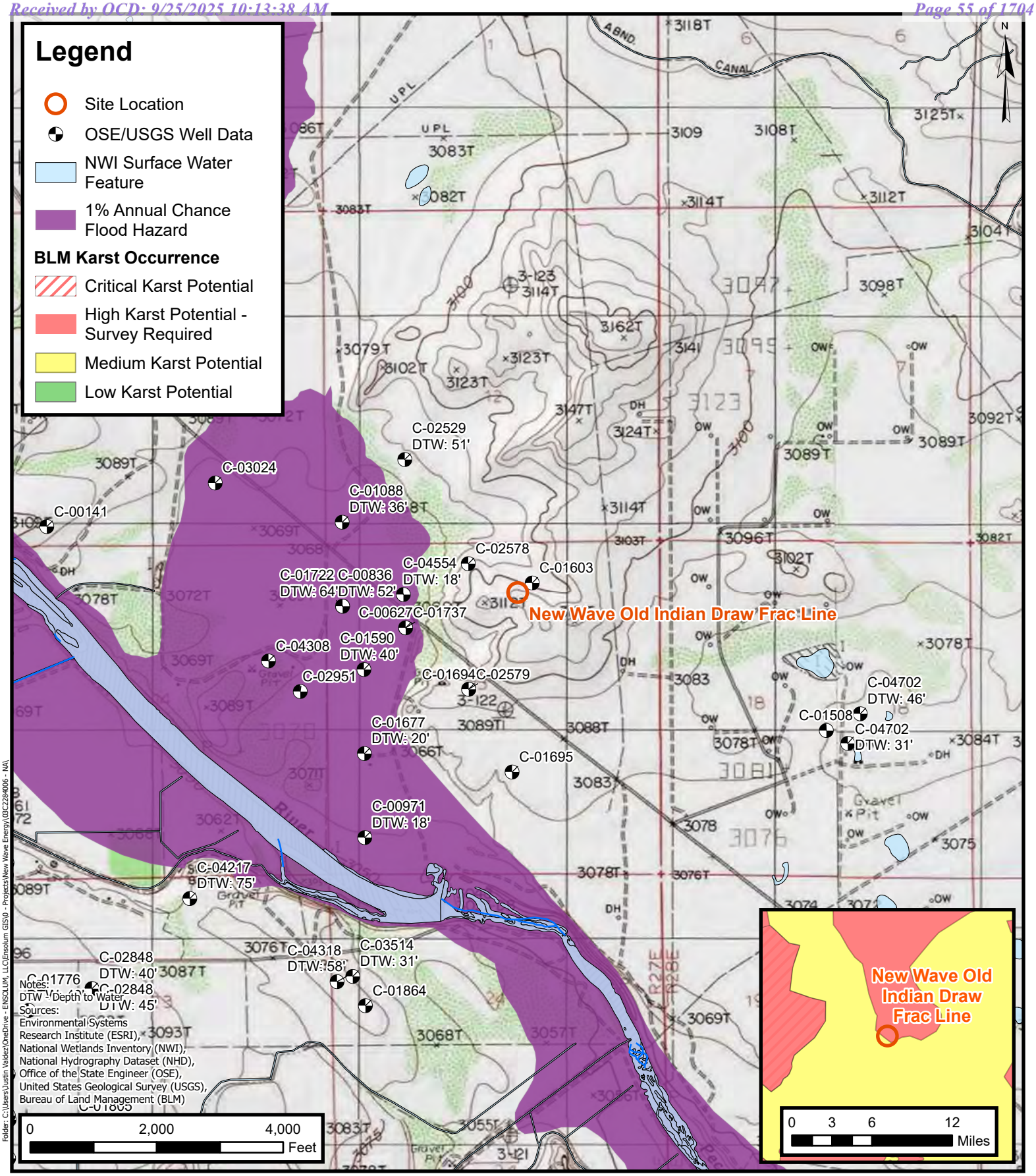
cc: Brock Molander, New Wave
Connor Walker, Mewbourne Operating Company
Jeff Broom, Mewbourne Operating Company
Matt Weiskopf, Select
Timsan Bricker, Select
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3a	Proposed Excavation Extent – 200 Square Foot Sampling Grid
Figure 3b	Proposed Excavation Extent – 400 Square Foot Sampling Grid
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation

ENSOLUM

FIGURES

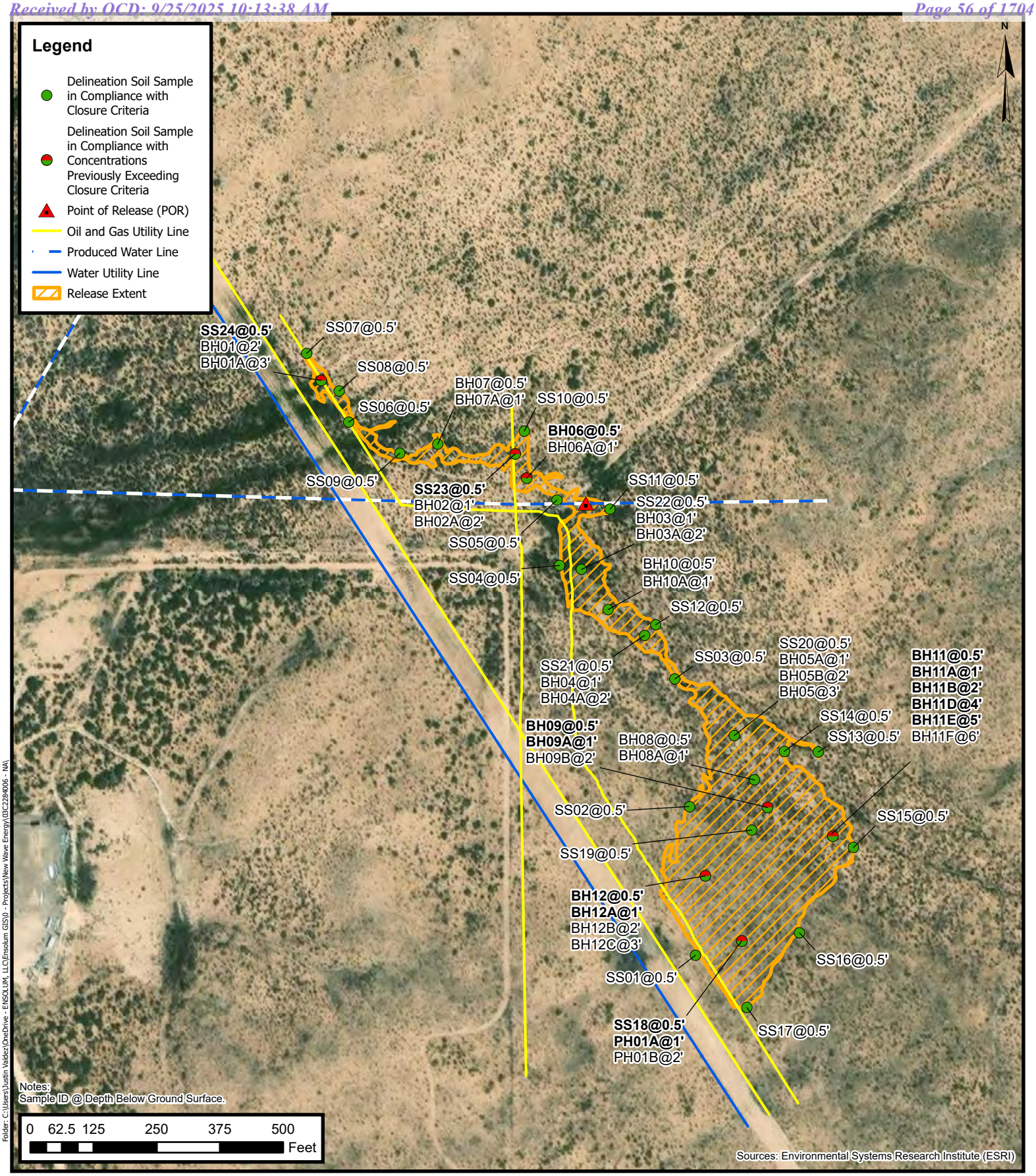


Site Receptor Map

New Wave Energy
New Wave Old Indian Draw Frac Line
Incident Number: NAPP2505952408
Unit B, Section 13, T 22S, R 27E
Eddy County, New Mexico

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

FIGURE 1



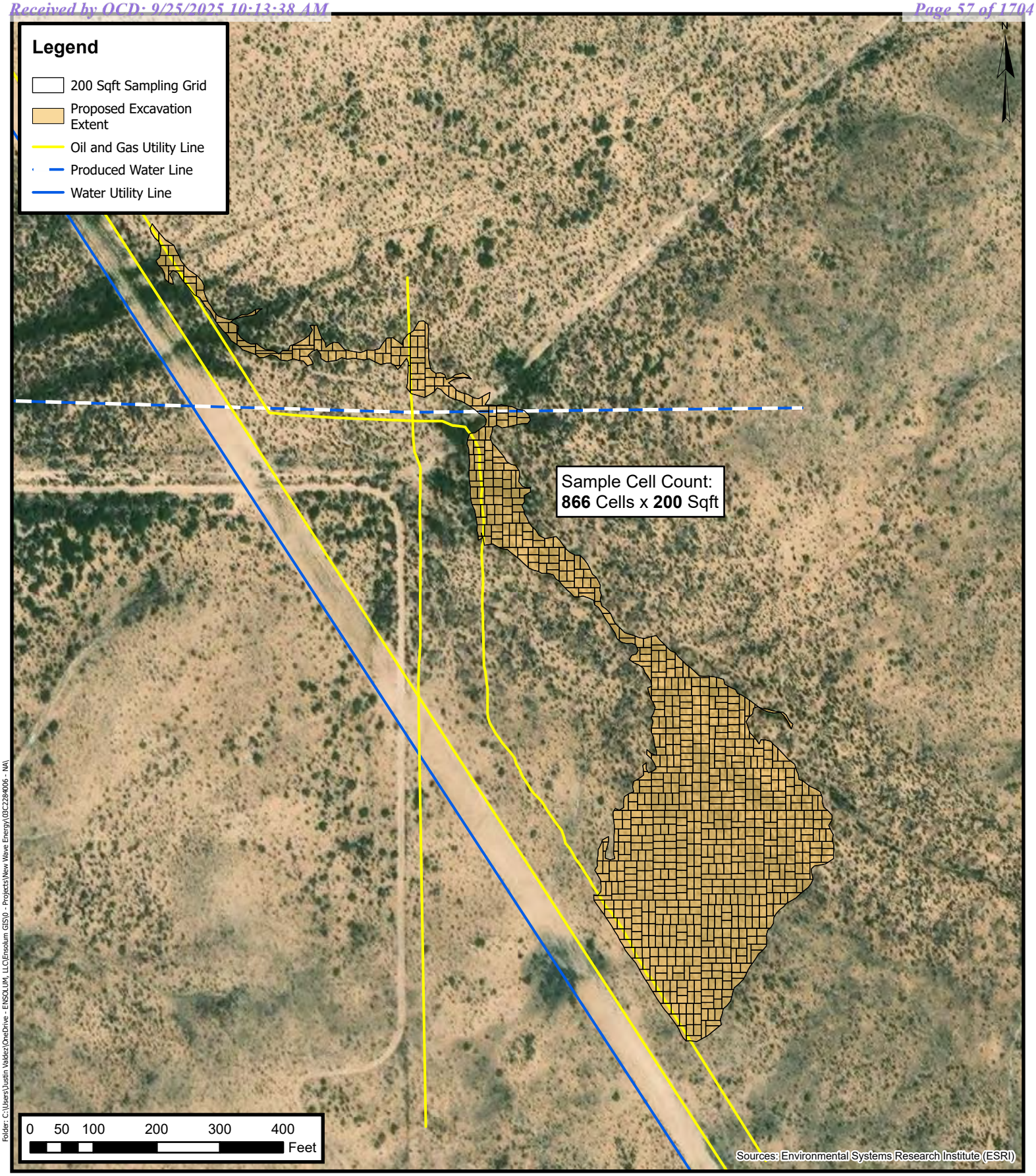
Folder: C:\Users\Justin Valdez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\New Wave Energy\(03C2294006 - NA)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

New Wave Energy
New Wave Old Indian Draw Frac Line
Incident Number: NAPP2505952408
Unit B, Section 13, T 22S, R 27E
Eddy County, New Mexico

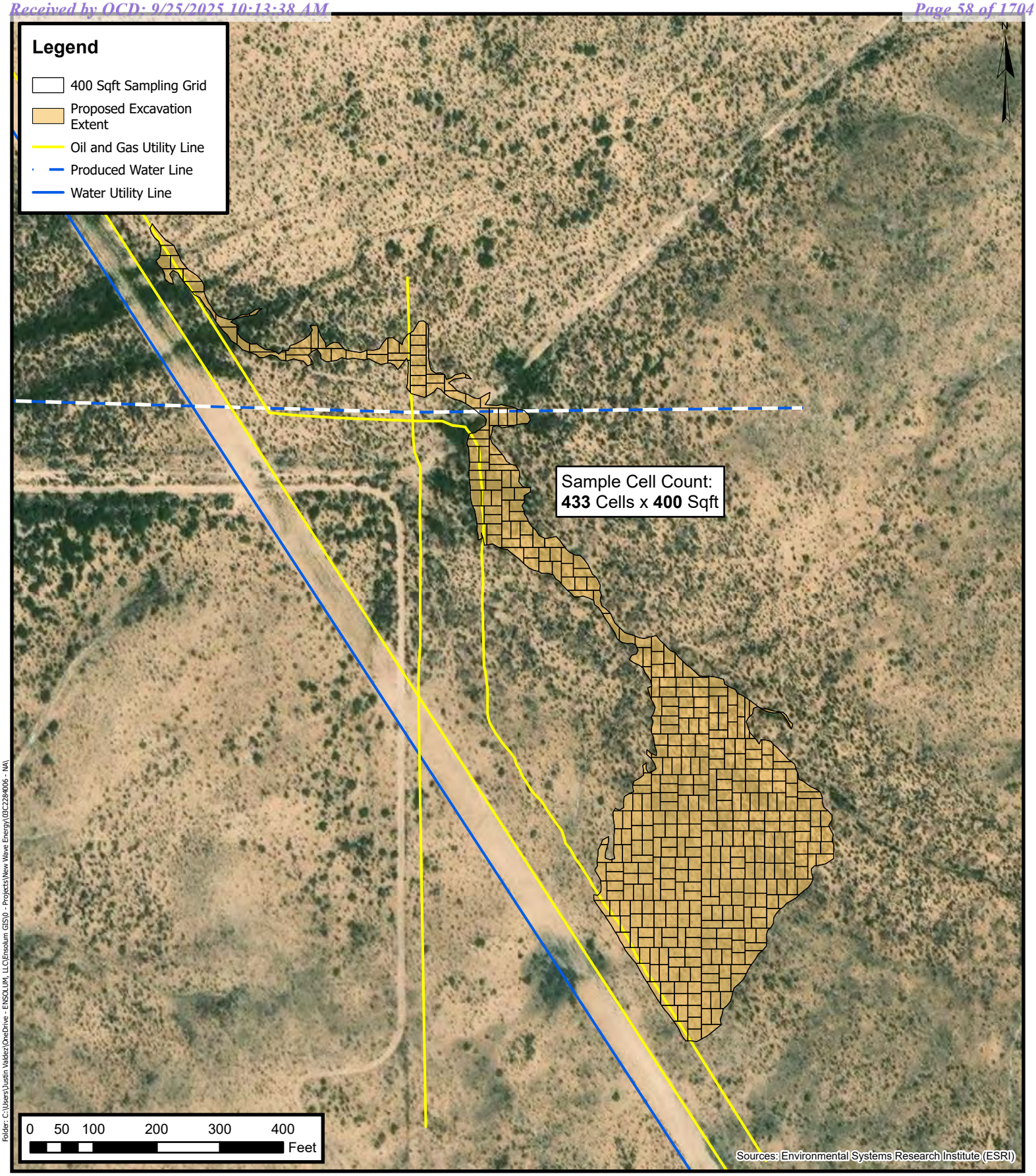
FIGURE 2



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Proposed Excavation Extent - 200 Square Foot Sampling Grid
New Wave Energy
New Wave Old Indian Draw Frac Line
Incident Number: NAPP2505952408
Unit B, Section 13, T 22S, R 27E
Eddy County, New Mexico

FIGURE 3A



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Proposed Excavation Extent - 400 Square Foot Sampling Grid
New Wave Energy
New Wave Old Indian Draw Frac Line
Incident Number: NAPP2505952408
Unit B, Section 13, T 22S, R 27E
Eddy County, New Mexico

FIGURE 3B

ENSOLUM

TABLES

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS02	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS03	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS04	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS05	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS06	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS07	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS08	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS09	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS10	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS11	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS12	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS13	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS14	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS15	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS16	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS17	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS18	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**12,600**
PH01A	05/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**6,560**
PH01B	05/05/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SS 19	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS20	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH05A	04/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH05B	04/15/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH 05	04/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS 21	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH 04	04/11/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH 04A	04/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS 22	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH 03	04/11/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH 03A	04/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS23	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**720**
BH 02	04/11/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
BH 02A	04/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS 24	04/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**5,840**
BH 01	04/11/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
New Wave Old Indian Draw Frac Line
New Wave Energy
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
BH 01A	04/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BH06	04/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**1,060**
BH06A	04/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
BH07	04/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
BH07A	04/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
BH08	04/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH08A	04/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH09	04/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**6,480**
BH09A	04/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**5,120**
BH09B	04/15/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
BH10	04/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH10A	04/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH11	04/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**7,040**
BH11A	04/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**5,600**
BH11B	04/15/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**4,720**
BH11D	05/05/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**4,800**
BH11E	05/05/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**864**
BH11F	04/15/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
BH12	04/15/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**7,360**
BH12A	05/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**4,040**
BH12B	05/05/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
BH12C	05/05/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMAC: New Mexico Administrative Code
~~Grey~~ text indicates soil sample removed during excavation activities

ENSOLUM

APPENDIX A

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1	20EEB	C-4554

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Patrick F Edeal	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
406 W Riverside	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	23	53.0	N
	LONGITUDE	104	8	50.6	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Well across Refinery Rd. from entrance to Edcon Farm.

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1348	Clinotn E Taylor	Taylor Water Well Service

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
11/23/2021	12/9/2021	70	80	18

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 10.5

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
+1.5	22	12 1/4	PVC	Glue Joint 7 1/4"	6	.28	
22	30	8 3/4	PVC	Glue Joint 7 1/4"	6	.28	
30	50	8 3/4	PVC	Glue Joint 7 1/4"	6	.28	.020
50	70	8 3/4	PVC	Glue Joint 7 1/4"	6	.28	.035

OSE DIT JAN 25 2022 PM4:31

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	22	12 1/4	12 Sacks Bentonite Chips / 13 Sacks 20% Bentontonite Grout		Dump+Tremie
22	70	8 3/4	2 Yards 3 /8" Pea Gravel		Dump

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4554	POD NO. 1	TRN NO. 699581	
LOCATION 1.1.4 225-27E-13 1.1.4	WELL TAG ID NO. 20EEB		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	6	6	Silty Soil	Y ✔ N	
6	18	12	Clay: rd, slty	Y ✔ N	
18	20	2	Sand+Gravel: rd fn grn sand, 1/8"-1/2" gravel, yel brn,brn,gry	✔ Y N	5.00
20	34	14	Conglomerate: mott brn, gry, tn, pnk, smc sndy, lmy	✔ Y N	10.00
34	56	22	Clay+Thin Layers of Sand+ Conglomerate	✔ Y N	10.00
56	69	13	Conglomerate: yel brn, gry, tn, calc, smc silty, fractured drilling	✔ Y N	100.00
69	80	11	Clay: rd, smth, stky	Y ✔ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☑ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 125.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Mixed mud and circulated hole before running casing. Developed well with air. Water quality 4500 PPM TDS. Well could make more that 125 GPM, but did not run a pump test. Well will be pumped with a small solar pump.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

CE Taylor — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

12/29/2021 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-4554	POD NO. 1	TRN NO. 699581	
LOCATION 1-4 22S 27E-13		WELL TAG ID NO. 2 CEB	PAGE 2 OF 2

ENSOLUM

APPENDIX B

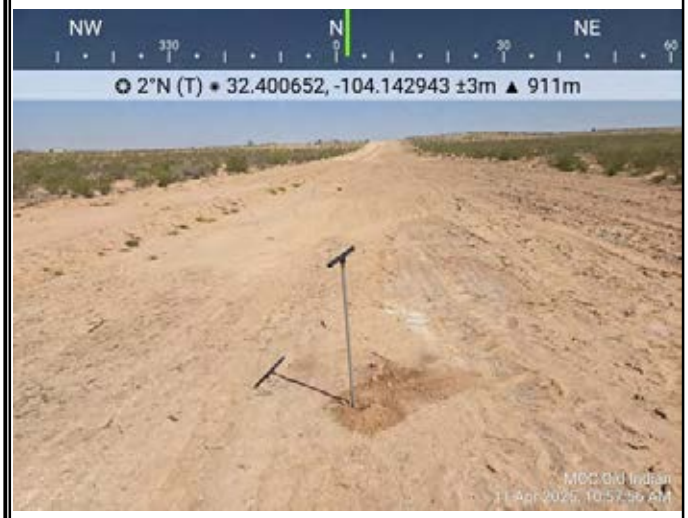
Photographic Log

ENSOLUM

Photographic Log
New Wave Energy
New Wave Old Indian Draw Frac Line
Eddy County, New Mexico

Photograph: 1 Date: 2/17/2025
Description: Soil staining
View: South

Photograph: 2 Date: 2/17/2025
Description: Soil staining
View: Northwest



Photograph: 3 Date: 4/11/2025
Description: Delineation activities
View: North

Photograph: 4 Date: 4/11/2025
Description: Delineation activities
View: Direct

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: SS18 / PH01	Date: 4-11-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Azuka I & Jesse Dorman	Method: Hand Auger
Coordinates: 32.40065, -104.143020	Hole Diameter: 3.5in	Total Depth: 2 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	1332	3.3	N	SS23	0.5			
Dry	280	0	N	BH02	1	1	SP	(0-2') SAND. Dark brown. Fine. Uniform. No staining, no odor.
Dry	<173	0	N	BH02A	2	2		

Final Depth @ 2 feet

ENSOLUM

	Sample Name: SS24 - BH01	Date: 4-11-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Azuka I & Jesse Dorman	Method: Hand Auger
Coordinates: 32.40065, -104.143020	Hole Diameter: 3.5in	Total Depth: 2 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	1332	3.3	N	SS23	0.5			
Dry	3460	0	N	BH02	1	1	SP	(0-2') SAND. Dark brown. Fine. Uniform. No staining, no odor.
Dry	207.2	0	N	BH02A	2	2		

Final Depth @ 2 feet

ENSOLUM

	Sample Name: SS23 - BH02	Date: 4-11-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Azuka I & Jesse Dorman	Method: Hand Auger
Coordinates: 32.40065, -104.143020	Hole Diameter: 3.5in	Total Depth: 2 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	1332	3.3	N	SS23	0.5			
Dry	280	0	N	BH02	1	1	SP	(0-2') SAND. Dark brown. Fine. Uniform. No staining, no odor.
Dry	<173	0	N	BH02A	2	2		

Final Depth @ 2 feet

ENSOLUM

	Sample Name: SS22-BH03	Date: 4-11-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Azuka I & Jesse Dorman	Method: Hand Auger
Coordinates: 32.400023, -104.142601	Hole Diameter: 3.5in	Total Depth: 2 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	<168	4.8	N	SS22	0.5			
Dry	<173	0	N	BH01	1	1	SP	(0-2') SAND. Dark brown. Fine. Uniform. No staining, no odor.
Dry	<173	0	N	BH01A	2	2		

Final Depth @ 2 Feet

ENSOLUM

	Sample Name: SS21-BH04	Date: 4-11-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Azuka I & Jesse Dorman	Method: Hand Auger
Coordinates: 32.399661, -104.142199	Hole Diameter: 3.5in	Total Depth: 2 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	<168	4.2	N	SS21	0.5			
Dry	<173	0	N	BH04	1	1	SP	SAND. Dark brown. Fine. Uniform. No staining, no c
Dry	<173		N	BH04A	2	2		

Final Depth @ 2 feet

ENSOLUM

	Sample Name: SS20 / BH05	Date: 4-15-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.399113, -104.141630	Hole Diameter: 3.5in	Total Depth: 2 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	<162	0.6	N	BH05	0.5			
	<162	0.2	N	BH05A	1	1	SM	(0-2') SILTY SAND. Light brown. Fine. Uniform. No staining, no odor.
Dry	<162	0.7	N	BH05B	Dry 2	2		

Final Depth @ 3 Feet

ENSOLUM

	Sample Name: BH06	Date: 4-11-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.400521, -104.142947	Hole Diameter: 3.5in	Total Depth: 1 foot

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	515	0.7	N	BH06	0.5		SP-SC	(0-1') CLAYEY SILT. Brown. Fine. Uniform. No staining, no odor.
Dry	274	0.7	N	BH06A	1	1		
Final Depth @ 1 Foot								

ENSOLUM

	Sample Name:	Date: 4-14-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.400710, -104.143515	Hole Diameter: 3.5in	Total Depth: 1 foot

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	<162	1.3	N	BH07	0.5		SP-SC	(0-1') CLAYEY SILT. Brown. Fine. Uniform. No staining, organic order.
Dry	<162	0.7	N	BH07A	1	1		
Final Depth @ 1 Foot								

ENSOLUM

	Sample Name: BH08	Date: 4-15-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates:	Hole Diameter: 3.5in	Total Depth: 1 foot

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	4356	0.1	N	BH08	0.5		SP-SC	(0-1') SILTY CLAY. Dark brown. Fine. Uniform. No staining, no odor.
Dry	364	0.3	N	BH08A	1	1		

Final Depth @ 1 Foot

ENSOLUM

	Sample Name: BH09	Date: 4-15-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.398722, -104.141421	Hole Diameter: 3.5in	Total Depth: 2 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	7644	0.7	N	BH09	0.5			
Dry	7156	0.3	N	BH09A	1	1	SP-SC	(0-2') SILTY CLAY. Brown. Fine. Uniform. No staining, no odor.
Dry	235	0.5	N	BH09B	2	2		

Final Depth @ 2 Feet

ENSOLUM

	Sample Name: BH10	Date: 4-15-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.399803, -104.142432	Hole Diameter: 3.5in	Total Depth: 1 foot

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	<162	0.4	N	BH10	0.5		SP-SC	(0-1') SILTY CLAY. Brown. Fine. Uniform. No staining, no odor.
Dry	<162	0.4	N	BH10A	1	1		

Final Depth @ 1 Foot

ENSOLUM

	Sample Name: BH11	Date: 4-15-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.397993, -104.141590	Hole Diameter: 3.5in	Total Depth: 6 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	9878	0.7	N	BH11	0.5			
Dry	6602	1.1	N	BB11A	1	1		(0-2') SILTY CLAY. Brown. Fine. Uniform. No staining, no odor.
Dry	6087	1	N	BH11B	2	2		
Dry	9111	0.1		BH11C	3	3	SP-SC	(3-4') Brown, silty clay. No odor.
Dry	6087	0.1		BH11D	4	4		
Dry	767	0		BH11E	5	5		(5-6') SILTY CLAY. Brown. Fine. Uniform. No staining, no odor.
Dry	274	0.1		BH11F	6	6		

Final Depth @ 6 Feet

ENSOLUM

	Sample Name: BH12	Date: 4-15-25
	Site Name: New Wave Old Indian Draw Frac Line	
	Incident Number: nAPP2505952408	
	Job Number: 03C2284006	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.398354, -104.141826	Hole Diameter: 3.5in	Total Depth: 6 feet

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. 40% correction factor for chlorides.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	274	0.1	N	BH12	0.5			
Dry	3589	0.1	N	BB12A	1	1	SP-SC	(0-2') SILTY CLAY. Brown. Fine. Uniform. No staining, no odor.
Dry	767	0.0	N	BH12B	2	2		
Dry	274	0.1	N	BH12C	3	3		(3') Brown, silty clay. No odor.

Final Depth @ 3 Feet

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

CARDINAL Laboratories

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

April 14, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 04/09/25 16:44.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 01 (H252129-01)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	217	109	200	3.45	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	209	104	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *98.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 02 (H252129-02)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	217	109	200	3.45	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	209	104	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *88.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 03 (H252129-03)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *92.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 04 (H252129-04)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *92.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 05 (H252129-05)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *75.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 06 (H252129-06)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 07 (H252129-07)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 08 (H252129-08)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *90.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 09 (H252129-09)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 10 (H252129-10)

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	04/10/2025	ND	2.00	100	2.00	1.28	
Toluene*	<0.050	0.050	04/10/2025	ND	2.19	110	2.00	5.65	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.41	120	2.00	7.85	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	7.28	121	6.00	7.87	
Total BTEX	<0.300	0.300	04/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *82.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 11 (H252129-11)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *88.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 12 (H252129-12)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 13 (H252129-13)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *79.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 14 (H252129-14)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *84.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 15 (H252129-15)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *76.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 16 (H252129-16)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *75.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 17 (H252129-17)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *85.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 18 (H252129-18)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**12600**	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *81.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 19 (H252129-19)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *77.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 20 (H252129-20)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/10/2025	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	04/10/2025	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	205	103	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *83.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 21 (H252129-21)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/10/2025	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	04/10/2025	ND	217	109	200	3.45	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	209	104	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *85.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 22 (H252129-22)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/10/2025	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	04/10/2025	ND	217	109	200	3.45	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	209	104	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *86.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 23 (H252129-23)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**720**	16.0	04/10/2025	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	04/10/2025	ND	217	109	200	3.45	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	209	104	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/09/2025	Sampling Date:	04/09/2025
Reported:	04/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SS 24 (H252129-24)

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	04/10/2025	ND	2.14	107	2.00	0.0344	
Toluene*	<0.050	0.050	04/10/2025	ND	2.02	101	2.00	1.50	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.01	101	2.00	0.905	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.24	104	6.00	0.106	
Total BTEX	<0.300	0.300	04/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5840**	16.0	04/10/2025	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	04/10/2025	ND	217	109	200	3.45	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	209	104	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane *77.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 108 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	ENSOLUM, LLC
Project Manager:	JEREMY REICH
Address:	601 N MARIENFELD
City:	MIDLAND State: TX Zip: 79701
Phone #:	432 296 0627 Fax #: jreich@ensolum.com
Project #:	03C2284006 Project Owner: NEW MAXE
Project Name:	MOC OLD INDIAN
Project Location:	32.3978530, -104.1417240
Sampler Name:	Zideh Azuka

BILL TO

P.O. #:	
Company:	Ensolum, LLC
Attn:	Jeremy Reich
Address:	601 N Marienfeld
City:	Midland
State:	TX Zip: 79701
Phone #:	432 296 0627
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	BTEX	TPH	CHLORIDE
H252129																	
1	SS01	G	1			X					X		4/9/25	1046	X	X	X
2	SS02													1048	X	X	X
3	SS03													1048	X	X	X
4	SS04													1050	X	X	X
5	SS05													1052	X	X	X
6	SS06													1054	X	X	X
7	SS07													1058	X	X	X
8	SS08													1100	X	X	X
9	SS09													1102	X	X	X
10	SS10	G	1			X					X		4/9/25	1104	X	X	X

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 consequental 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.

Relinquished By:	Date: 4.9.25	Received By:	
	Time: 1444		
Relinquished By: 4/9/25	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition Cool / Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.8 / 5.1	☐ Yes ☐ Yes ☐ No ☐ No	

Turnaround Time: Standard ☐ Rush ☒ 72HRS

Thermometer ID #140
Correction Factor +0.3°C

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

FORM-006 R 3.0 02/12/25

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld
City:	Midland State: TX Zip: 79701
Phone #:	432 296 0627 Fax #: jreich@ensolum.com
Project #:	03C2284006 Project Owner: New Mexico
Project Name:	Old Indian
Project Location:	32.8978530, -104.1417240
Sampler Name:	Caleb Azuka

BILL TO

P.O. #:	
Company:	Ensolum, LLC
Attn:	Jeremy Reich
Address:	601 N Marienfeld
City:	Midland
State:	TX Zip: 79701
Phone #:	432 296 0627
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	CHLORIDE
H052129	SS11	G	1			X					X		4/9/25	1330	X	X	X
11	SS12		1											1108	X	X	X
12	SS13													1110	X	X	X
13	SS14													1332	X	X	X
14	SS15													1334	X	X	X
15	SS16													1176	X	X	X
16	SS17													1336	X	X	X
17	SS18													1120	X	X	X
18	SS19													1130	X	X	X
19	SS20	G	1			X					X		4/9/25	1338	X	X	X
20																	

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.

Relinquished By:	Date: 4.9.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1644		All Results are emailed. Please provide Email address:
Relinquished By: 4/9/25	Date:	Received By:	REMARKS:
	Time:		

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

Observed Temp. °C 4.8
Corrected Temp. °C 5.1

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) AD

Turnaround Time: Standard ☐ Rush ☒ 72HRS

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

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

FORM-006 R 3.0 02/12/25

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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:	Jeremy Reich
Address:	601 N Marienfeld
City:	Midland State: TX Zip: 79701
Phone #:	432 296 0627 Fax #: jreich@ensolum.com
Project #:	03C2284006 Project Owner: New Mexico
Project Name:	MOC Old Indian
Project Location:	32.2978530, -104.1417240
Sampler Name:	Jaden Azuka

BILL TO

P.O. #:	
Company:	Ensolum, LLC
Attn:	Jeremy Reich
Address:	601 N Marienfeld
City:	Midland
State:	TX Zip: 79701
Phone #:	432 296 0627
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	BTEX	TPH	CHLORIDE
~~H252129~~																	
01	SS21	G	1			X					X		4/9/25	1340	X	X	X
02	SS22		1											1342	X	X	X
03	SS23		1											1344	X	X	X
04	SS24		1											1346	X	X	X
	NE														X	X	X
	4/9/25														X	X	X
															X	X	X
															X	X	X
															X	X	X
		G	1			X					X		4/9/25		X	X	X

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.

Relinquished By:	Date: 4.9.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1644		All Results are emailed. Please provide Email address:
Relinquished By: 4/9/25	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 4.8°C	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☒ 72HRS
Sampler - UPS - Bus - Other:	Corrected Temp. °C 5.1°C	☑ Yes ☑ Yes ☐ No ☐ No	AB	Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.0 02/12/25

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

April 17, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 04/14/25 12:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 01 2' (H252198-01)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/15/2025	ND	400	100	400	3.92	

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	04/15/2025	ND	200	100	200	0.216	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	192	95.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *99.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 01A 3' (H252198-02)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	04/15/2025	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	04/15/2025	ND	200	100	200	0.216	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	192	95.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 02 1' (H252198-03)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *76.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 02A 2' (H252198-04)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *69.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 03 1' (H252198-05)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *84.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 03A 2' (H252198-06)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *76.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 04 1' (H252198-07)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *73.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 04A 2' (H252198-08)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *74.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/14/2025	Sampling Date:	04/11/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 05 3' (H252198-09)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane *57.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *53.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 122 of 1704

CARDINAL Laboratories

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** P.O. #:
Project Manager: Jeremy Reich	Company: Ensolum, LLC
Address: 601 N Marienfeld Street, Suite 400	Attn: Jeremy Reich
City: Midland State: TX Zip: 79701	Address: 3122 National Parks Hwy
Phone #: 432-296-0627 Fax #:	City: Carlsbad
Project #: 03C2284006 Project Owner: New Wave energy	State: NM Zip: 88220
Project Name: MOC Old Indian	Phone #:
Project Location: 32.3978530, -104.1417240	Fax #:
Sampler Name: Jesse Dorman	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H252198-1	BH01	2	G	1			X					X		4/11/25	9:17			
-2	BH01A	3													9:27			
-3	BH02	1													10:10			
-4	BH02A	2													10:15			
-5	BH03	1													11:00			
-6	BH03A	2													11:05			
-7	BH04	1													11:30			
-8	BH04A	2													11:35			
-9	BH05	3													12:12			

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.

Relinquished By:	Date: 4.14.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1210		All Results are emailed. Please provide Email address: JReich@ensolum.com
Relinquished By:	Date:	Received By:	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com, KThomason@ensolum.com
	Time:		REMARKS: Incident Number: NAPP2505952408
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.8 Corrected Temp. °C 1.1	Sample Condition Cool ☑ Yes Intact ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials)

Turnaround Time: 4/14 Standard ☐ Rush ☑ 72hr
Thermometer ID #113 Correction Factor -0.5°C +0.3° TO 4/14/25
Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

April 22, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 04/15/25 14:07.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/22/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 06 0.5' (H252239-01)

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	04/16/2025	ND	2.23	111	2.00	2.07	
Toluene*	<0.050	0.050	04/16/2025	ND	2.16	108	2.00	1.26	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.24	112	2.00	0.718	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.76	113	6.00	0.919	
Total BTEX	<0.300	0.300	04/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1060**	16.0	04/16/2025	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	04/16/2025	ND	201	101	200	5.54	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	194	97.1	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane *95.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/22/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 06 A 1' (H252239-02)

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	04/16/2025	ND	2.23	111	2.00	2.07	
Toluene*	<0.050	0.050	04/16/2025	ND	2.16	108	2.00	1.26	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.24	112	2.00	0.718	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.76	113	6.00	0.919	
Total BTEX	<0.300	0.300	04/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/16/2025	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	04/16/2025	ND	201	101	200	5.54	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	194	97.1	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/22/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 07 0.5' (H252239-03)

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	04/16/2025	ND	2.23	111	2.00	2.07	
Toluene*	<0.050	0.050	04/16/2025	ND	2.16	108	2.00	1.26	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.24	112	2.00	0.718	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.76	113	6.00	0.919	
Total BTEX	<0.300	0.300	04/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	04/16/2025	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	04/16/2025	ND	197	98.6	200	4.05	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	185	92.7	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane *84.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/22/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 07 A 1' (H252239-04)

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	04/16/2025	ND	2.23	111	2.00	2.07	
Toluene*	<0.050	0.050	04/16/2025	ND	2.16	108	2.00	1.26	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.24	112	2.00	0.718	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.76	113	6.00	0.919	
Total BTEX	<0.300	0.300	04/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	04/16/2025	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	04/16/2025	ND	197	98.6	200	4.05	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	185	92.7	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane *88.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/22/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 08 0.5' (H252239-05)

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	04/16/2025	ND	2.23	111	2.00	2.07	
Toluene*	<0.050	0.050	04/16/2025	ND	2.16	108	2.00	1.26	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.24	112	2.00	0.718	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.76	113	6.00	0.919	
Total BTEX	<0.300	0.300	04/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/16/2025	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	04/16/2025	ND	197	98.6	200	4.05	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	185	92.7	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane *91.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/22/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 08 A 1' (H252239-06)

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	04/16/2025	ND	2.23	111	2.00	2.07	
Toluene*	<0.050	0.050	04/16/2025	ND	2.16	108	2.00	1.26	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.24	112	2.00	0.718	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.76	113	6.00	0.919	
Total BTEX	<0.300	0.300	04/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/16/2025	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	04/16/2025	ND	197	98.6	200	4.05	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	185	92.7	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane *71.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 131 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY					MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500										
H252239	*																											
1	BH ~~05~~ 06	.5	G	1			✓					✓		4-14-25	1423	✓	✓	✓										
2	BH ~~05A~~ 06A	1	G	1			✓					✓		4-14-25	1430	✓	✓	✓										
3	BH ~~06~~ 07	.5	G	1			✓					✓		4-14-25	1356	✓	✓	✓										
4	BH ~~06A~~ 07A	1	G	1			✓					✓		4-14-25	1403	✓	✓	✓										
5	BH ~~07~~ 08	.5	G	1			✓					✓		4-14-25	1330	✓	✓	✓										
6	BH ~~07A~~ 08A	1	G	1			✓					✓		4-14-25	1335	✓	✓	✓										

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.

Relinquished By:	**Date:** 4-15-25	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1407		**All Results are emailed. Please provide Email address:** : jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		**REMARKS:** * Customer requested ID changes. TO. 4/15/25

Delivered By: (Circle One)	Observed Temp. °C 1.3	**Sample Condition** Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	**CHECKED BY: (Initials)** TO.	**Turnaround Time:** Standard ☑ Rush ☐ **Bacteria (only) Sample Condition** Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.6			**Thermometer ID** #113 #140 TO. 3C 4/15/25 **Correction Factor** -0.5°C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

April 23, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 04/16/25 14:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 05A 1 (H252298-01)

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	04/17/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/17/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/17/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/17/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/17/2025	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	04/17/2025	ND	203	101	200	0.236	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	193	96.3	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *100 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 05B 2 (H252298-02)

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	04/17/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/17/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/17/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/17/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	04/17/2025	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	04/17/2025	ND	203	101	200	0.236	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	193	96.3	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 09 0.5 (H252298-03)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *127 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6480**	16.0	04/17/2025	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	04/17/2025	ND	203	101	200	0.236	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	193	96.3	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 09A 1 (H252298-04)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5120**	16.0	04/17/2025	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	04/17/2025	ND	203	101	200	0.236	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	193	96.3	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 10 0.5 (H252298-05)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	04/17/2025	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	04/17/2025	ND	203	101	200	0.236	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	193	96.3	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 10A 1 (H252298-06)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	04/17/2025	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	04/17/2025	ND	203	101	200	0.236	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	193	96.3	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *98.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 11 0.5 (H252298-07)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7040**	16.0	04/17/2025	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	04/17/2025	ND	221	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	217	108	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *89.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 11A 1 (H252298-08)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5600**	16.0	04/17/2025	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	04/17/2025	ND	221	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	217	108	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *91.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 11B 2 (H252298-09)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4720**	16.0	04/17/2025	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	04/17/2025	ND	221	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	217	108	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *90.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 12 0.5 (H252298-10)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7360**	16.0	04/17/2025	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	04/17/2025	ND	221	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	217	108	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *94.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 144 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H252298																		
1	BH05A	1	G	1			✓					✓		4.15.25	1201	✓	✓	✓
2	BH05B	2	G	1			✓					✓		4.15.25	1220	✓	✓	✓
3	BH09	0.5	G	1			✓					✓		4.15.25	955	✓	✓	✓
4	BH09A	1	G	1			✓					✓		4.15.25	1001	✓	✓	✓
5	BH10	0.5	G	1			✓					✓		4.15.25	1049	✓	✓	✓
6	BH10A	1	G	1			✓					✓		4.15.25	1055	✓	✓	✓
7	BH11	0.5	G	1			✓					✓		4.15.25	1259	✓	✓	✓
8	BH11A	1	G	1			✓					✓		4.15.25	1301	✓	✓	✓
9	BH11B	2	G	1			✓					✓		4.15.25	1320	✓	✓	✓
10	BH12	0.5	G	1			✓					✓		4.15.25	1330	✓	✓	✓

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.

Relinquished By:	**Date:** 4-16-25	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1420		**All Results are emailed. Please provide Email address:** jreich@ensolum.com
Relinquished By:	**Date:** 4.47	**Received By:**	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time: 9:41	4/15/25	**REMARKS:**

Delivered By: (Circle One)	Observed Temp. °C 4.9	**Sample Condition** Cool ☑ Yes ☑ Intact ☑ Yes ☐ No ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 5.2			Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No **Observed Temp. °C** #140 **Corrected Temp. °C** +0.3

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

April 23, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD LOBO

Enclosed are the results of analyses for samples received by the laboratory on 04/16/25 14:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	04/16/2025	Sampling Date:	04/15/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	OLD LOBO	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Shari Cisneros
Project Location:	NEW WAVE 32.444437-103.688210		

Sample ID: BH 09B 2 (H252299-01)

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	04/18/2025	ND	1.85	92.7	2.00	0.242	
Toluene*	<0.050	0.050	04/18/2025	ND	1.97	98.7	2.00	0.737	
Ethylbenzene*	<0.050	0.050	04/18/2025	ND	1.94	97.1	2.00	0.732	
Total Xylenes*	<0.150	0.150	04/18/2025	ND	6.22	104	6.00	0.281	
Total BTEX	<0.300	0.300	04/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	04/17/2025	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	04/17/2025	ND	221	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	217	108	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *91.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 148 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284007 **Project Owner:** New Wave	**City:** Midland
Project Name: Old Lobo	**State:** NM **Zip:** 79701
Project Location: 32.444437, -103.688210	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H252299-1	BH09B	2	G	1			✓					✓		4-15-25	1024	✓	✓	✓

ANALYSIS REQUEST

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.

Relinquished By:	**Date:** 4.16.25 **Time:** 14:47	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**All Results are emailed. Please provide Email address:** jreich@ensolum.com, BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
			REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.9 Corrected Temp. °C 5.2	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** AC	**Turnaround Time:** Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 12, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/06/25 14:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/06/2025	Sampling Date:	05/05/2025
Reported:	05/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: PH 01A 1' (H252688-01)

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	05/07/2025	ND	1.84	92.2	2.00	8.10	
Toluene*	<0.050	0.050	05/07/2025	ND	1.90	95.0	2.00	8.46	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.87	93.7	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.53	92.2	6.00	8.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6560**	16.0	05/07/2025	ND	400	100	400	3.92	

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	05/06/2025	ND	185	92.4	200	2.51	
DRO >C10-C28*	**16.5**	10.0	05/06/2025	ND	181	90.5	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	05/06/2025	ND					

Surrogate: 1-Chlorooctane *97.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/06/2025	Sampling Date:	05/05/2025
Reported:	05/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: PH 01B 2' (H252688-02)

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	05/07/2025	ND	1.84	92.2	2.00	8.10	
Toluene*	<0.050	0.050	05/07/2025	ND	1.90	95.0	2.00	8.46	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.87	93.7	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.53	92.2	6.00	8.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	05/07/2025	ND	400	100	400	3.92	

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	05/06/2025	ND	185	92.4	200	2.51	
DRO >C10-C28*	<10.0	10.0	05/06/2025	ND	181	90.5	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	05/06/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/06/2025	Sampling Date:	05/05/2025
Reported:	05/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 11D 4' (H252688-03)

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	05/07/2025	ND	1.84	92.2	2.00	8.10	
Toluene*	<0.050	0.050	05/07/2025	ND	1.90	95.0	2.00	8.46	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.87	93.7	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.53	92.2	6.00	8.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4800**	16.0	05/07/2025	ND	400	100	400	3.92	

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	05/06/2025	ND	185	92.4	200	2.51	
DRO >C10-C28*	<10.0	10.0	05/06/2025	ND	181	90.5	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	05/06/2025	ND					

Surrogate: 1-Chlorooctane *108 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *111 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/06/2025	Sampling Date:	05/05/2025
Reported:	05/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 11E 5' (H252688-04)

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	05/07/2025	ND	1.84	92.2	2.00	8.10	
Toluene*	<0.050	0.050	05/07/2025	ND	1.90	95.0	2.00	8.46	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.87	93.7	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.53	92.2	6.00	8.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**864**	16.0	05/07/2025	ND	400	100	400	3.92	

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	05/06/2025	ND	185	92.4	200	2.51	
DRO >C10-C28*	<10.0	10.0	05/06/2025	ND	181	90.5	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	05/06/2025	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/06/2025	Sampling Date:	05/05/2025
Reported:	05/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 11F 6' (H252688-05)

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	05/07/2025	ND	1.84	92.2	2.00	8.10	
Toluene*	<0.050	0.050	05/07/2025	ND	1.90	95.0	2.00	8.46	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.87	93.7	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.53	92.2	6.00	8.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	05/07/2025	ND	400	100	400	3.92	

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	05/06/2025	ND	185	92.4	200	2.51	
DRO >C10-C28*	<10.0	10.0	05/06/2025	ND	181	90.5	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	05/06/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/06/2025	Sampling Date:	05/05/2025
Reported:	05/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 12A 1' (H252688-06)

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	05/07/2025	ND	1.84	92.2	2.00	8.10	
Toluene*	<0.050	0.050	05/07/2025	ND	1.90	95.0	2.00	8.46	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.87	93.7	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.53	92.2	6.00	8.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4040**	16.0	05/07/2025	ND	400	100	400	3.92	

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	05/06/2025	ND	185	92.4	200	2.51	
DRO >C10-C28*	<10.0	10.0	05/06/2025	ND	181	90.5	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	05/06/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/06/2025	Sampling Date:	05/05/2025
Reported:	05/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 12B 2' (H252688-07)

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	05/07/2025	ND	1.84	92.2	2.00	8.10	
Toluene*	<0.050	0.050	05/07/2025	ND	1.90	95.0	2.00	8.46	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.87	93.7	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.53	92.2	6.00	8.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	05/07/2025	ND	400	100	400	3.92	

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	05/06/2025	ND	185	92.4	200	2.51	
DRO >C10-C28*	<10.0	10.0	05/06/2025	ND	181	90.5	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	05/06/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/06/2025	Sampling Date:	05/05/2025
Reported:	05/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: BH 12C 3' (H252688-08)

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	05/07/2025	ND	1.84	92.2	2.00	8.10	
Toluene*	<0.050	0.050	05/07/2025	ND	1.90	95.0	2.00	8.46	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.87	93.7	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.53	92.2	6.00	8.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	05/07/2025	ND	400	100	400	3.92	

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	05/06/2025	ND	185	92.4	200	2.51	
DRO >C10-C28*	<10.0	10.0	05/06/2025	ND	181	90.5	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	05/06/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 159 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY — Lab I.D.: H252688

	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
1	PH01A	1	G	1			✓					✓		5-5-25	928	✓	✓	✓
2	PH01B	2	G	1			✓							5-5-25	949	✓	✓	✓
3	BH11D	4	G	1			✓							5-5-25	1030	✓	✓	✓
4	BH11E	5	G	1			✓							5-5-25	1045	✓	✓	✓
5	BH11F	6	G	1			✓							5-5-25	1105	✓	✓	✓
6	BH12A	1	G	1			✓							5-5-25	1118	✓	✓	✓
7	BH12B	2	G	1			✓							5-5-25	1144	✓	✓	✓
8	BH12C	3	G	1			✓							5-5-25	1200	✓	✓	✓

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 consequental 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.

Relinquished By:	**Date:** 5-6-25	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1403		**All Results are emailed. Please provide Email address:** jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		**REMARKS:**

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

Observed Temp. °C 0.9 | Corrected Temp. °C -0.4

Sample Condition Cool: ☑ Yes ☐ No | Intact: ☑ Yes ☐ No

CHECKED BY: (Initials) TB

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113 #140 **Correction Factor** -0.5°C +0.3

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No | Intact: ☐ Yes ☐ No | Observed Temp. °C | Corrected Temp. °C

TB - 5/6/25

FORM-006 R 3.2 10/07/21

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

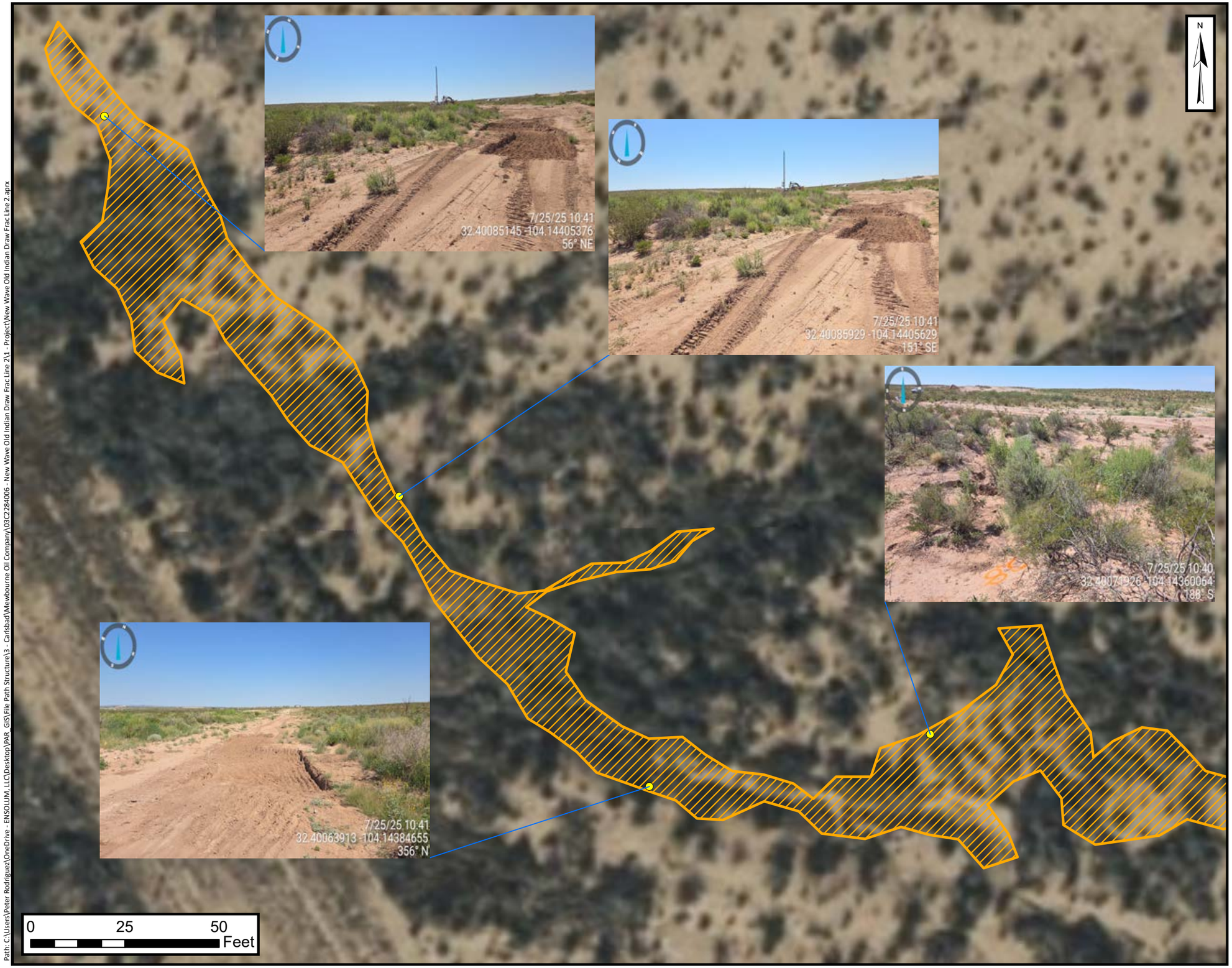
Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

ENSOLUM

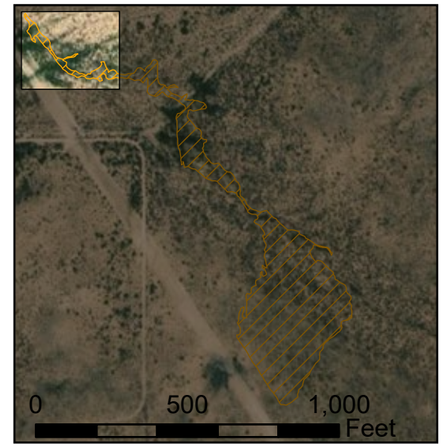
APPENDIX B

Photographic Log



Legend

- Photograph Location
- Release Extent



Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Photographic Log

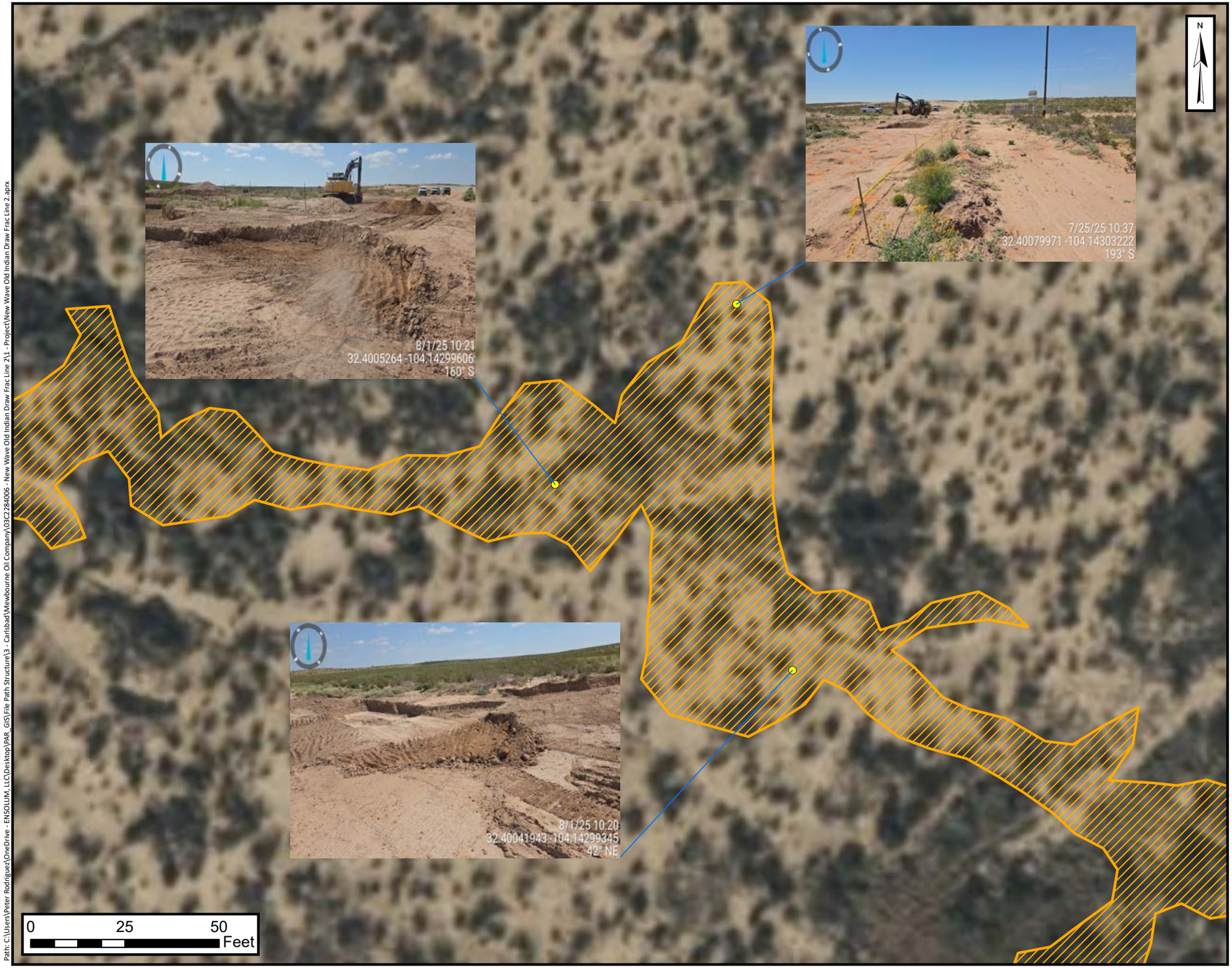
Mewbourne Oil Company
New Wave Old Indian Draw Frac Line

Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1A

Incident Number: NAPP2505952408

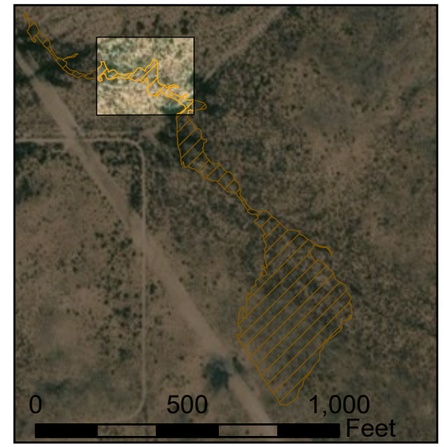
Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

Legend

- Photograph Location
- Release Extent



Source:
Environmental Systems Research Institute (ESRI)

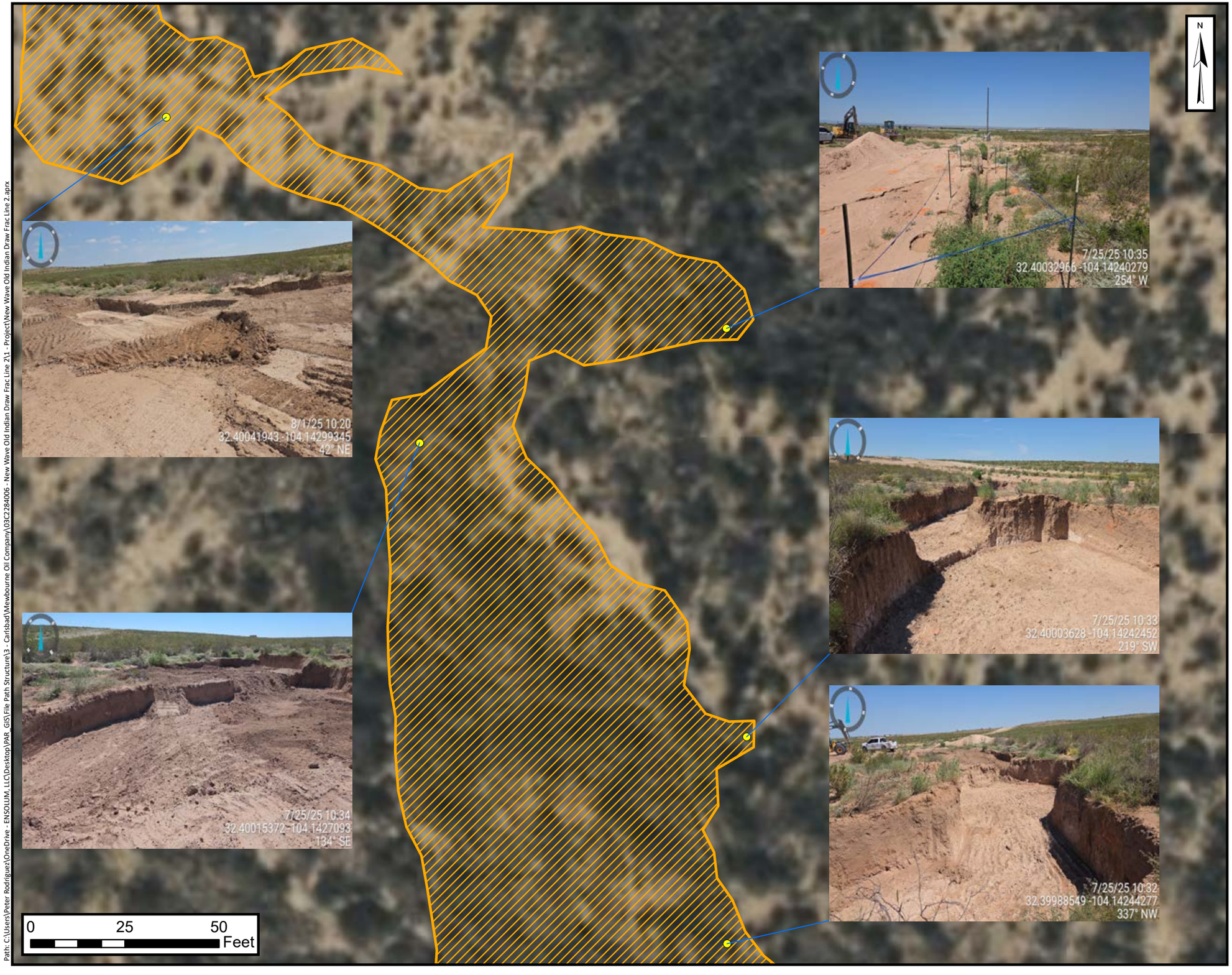
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Photographic Log

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line
Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1B

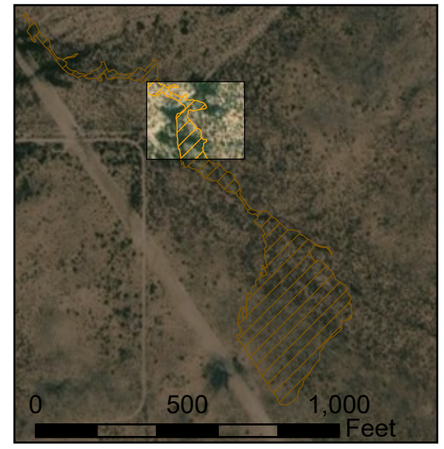
Incident Number: NAPP2505952408



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

Legend

- Photograph Location
- Release Extent



Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

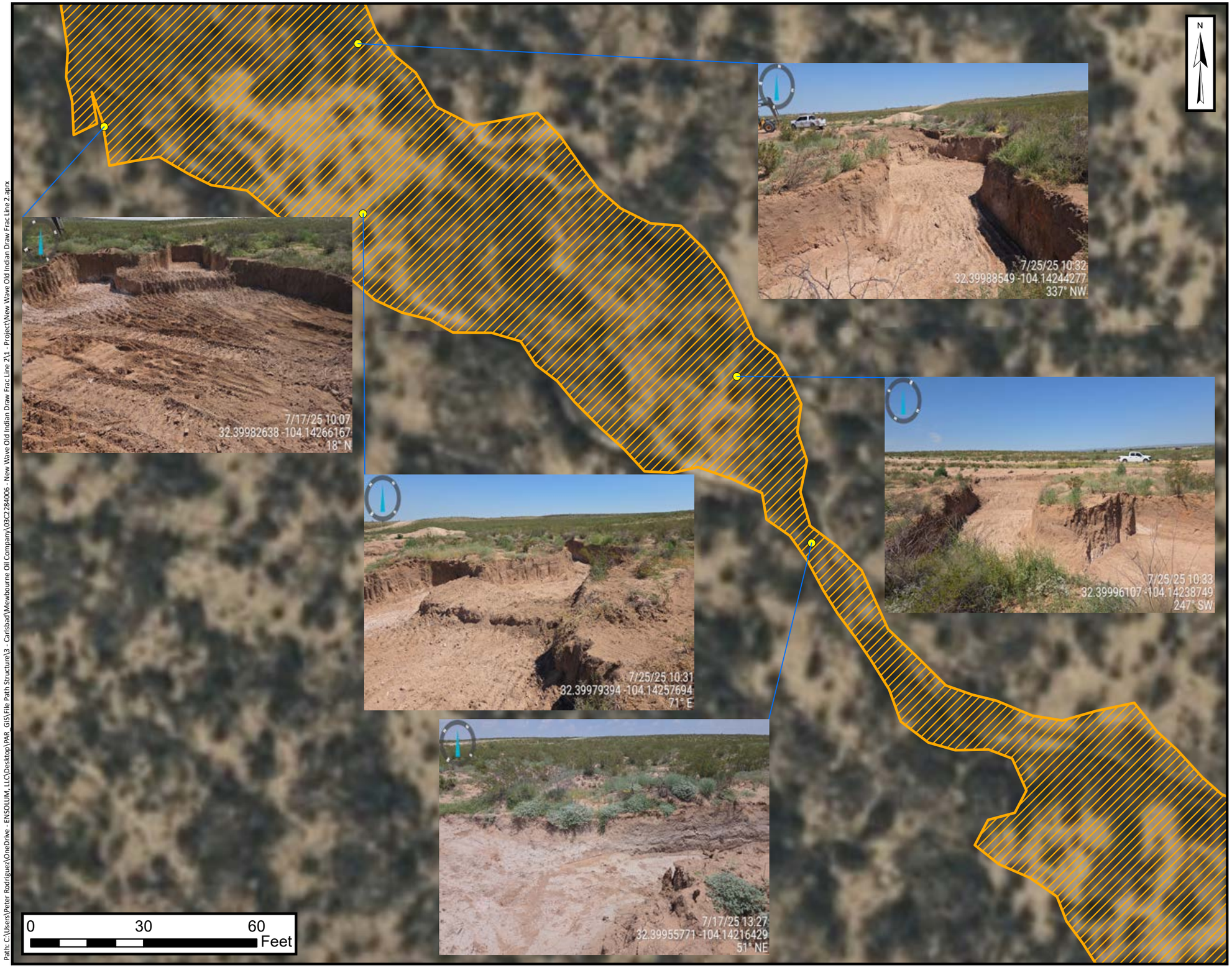
Photographic Log

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line

Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1C

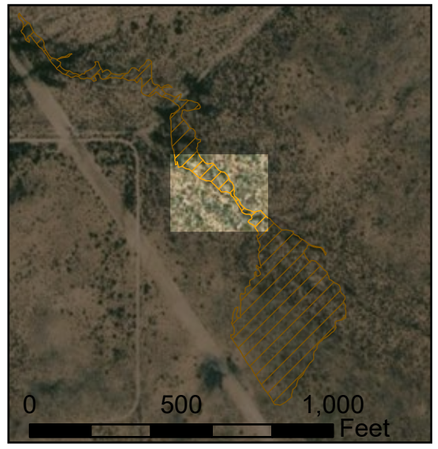
Incident Number: NAPP2505952408



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR GIS\File Path Structure\13 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

Legend

- Photograph Location
- Release Extent



Source:
Environmental Systems Research Institute (ESRI)

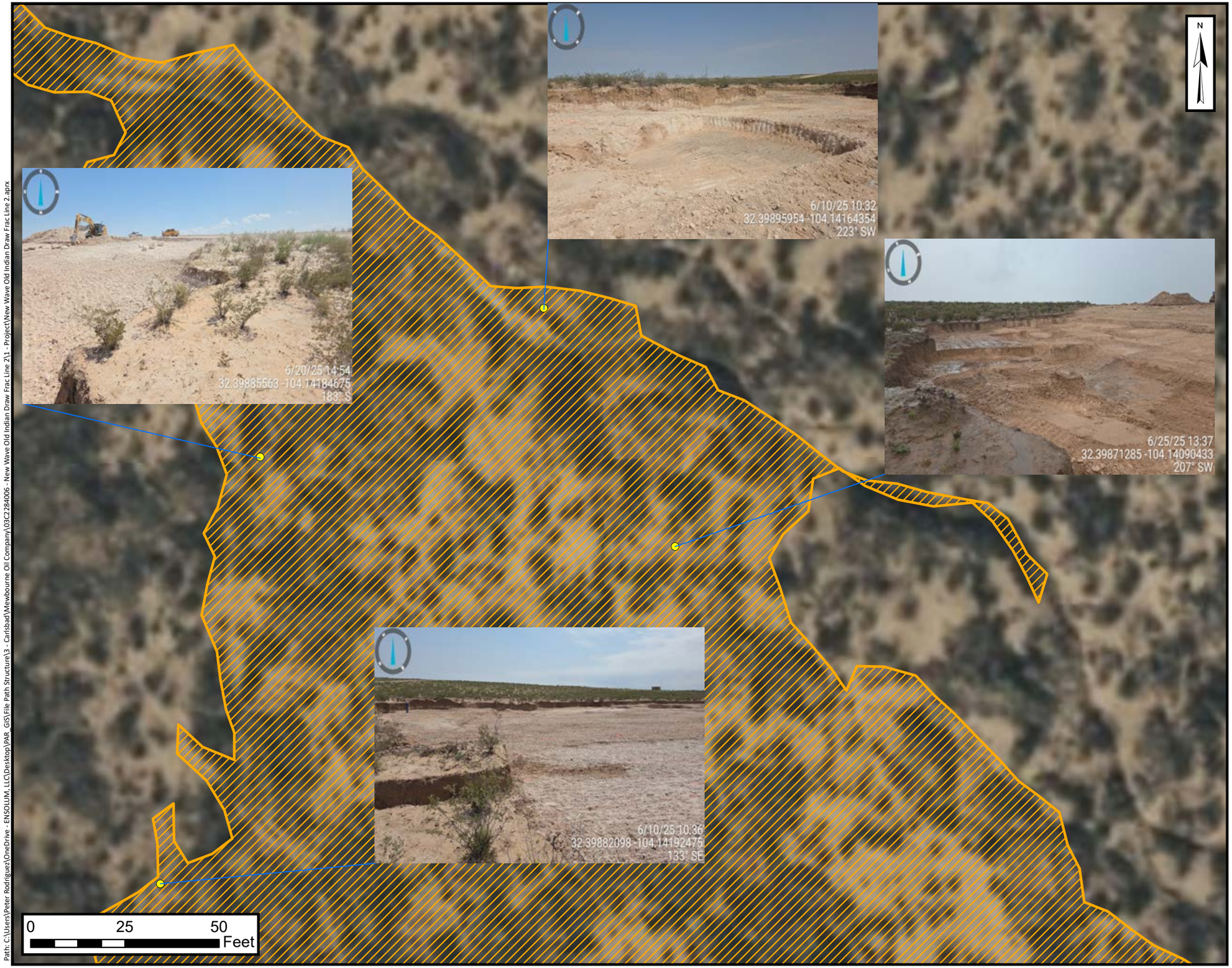
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Photographic Log

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line
Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1D

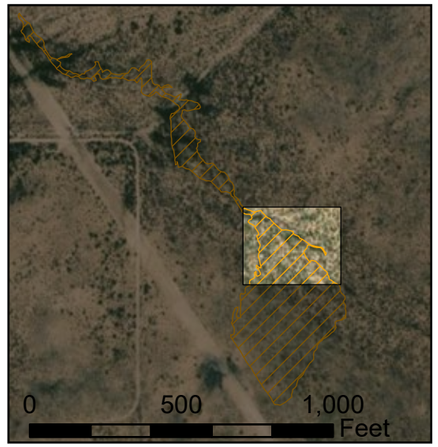
Incident Number: NAPP2505952408



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\13 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

Legend

- Photograph Location
- Release Extent



Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Photographic Log

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line

Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

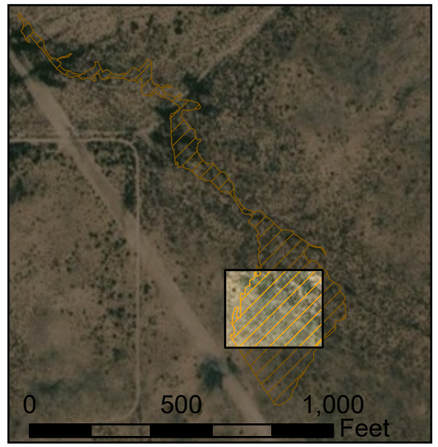
FIGURE
1E

Incident Number: NAPP2505952408

Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR GIS\File Path Structure\3 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

Legend

- Photograph Location
- Release Extent



Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

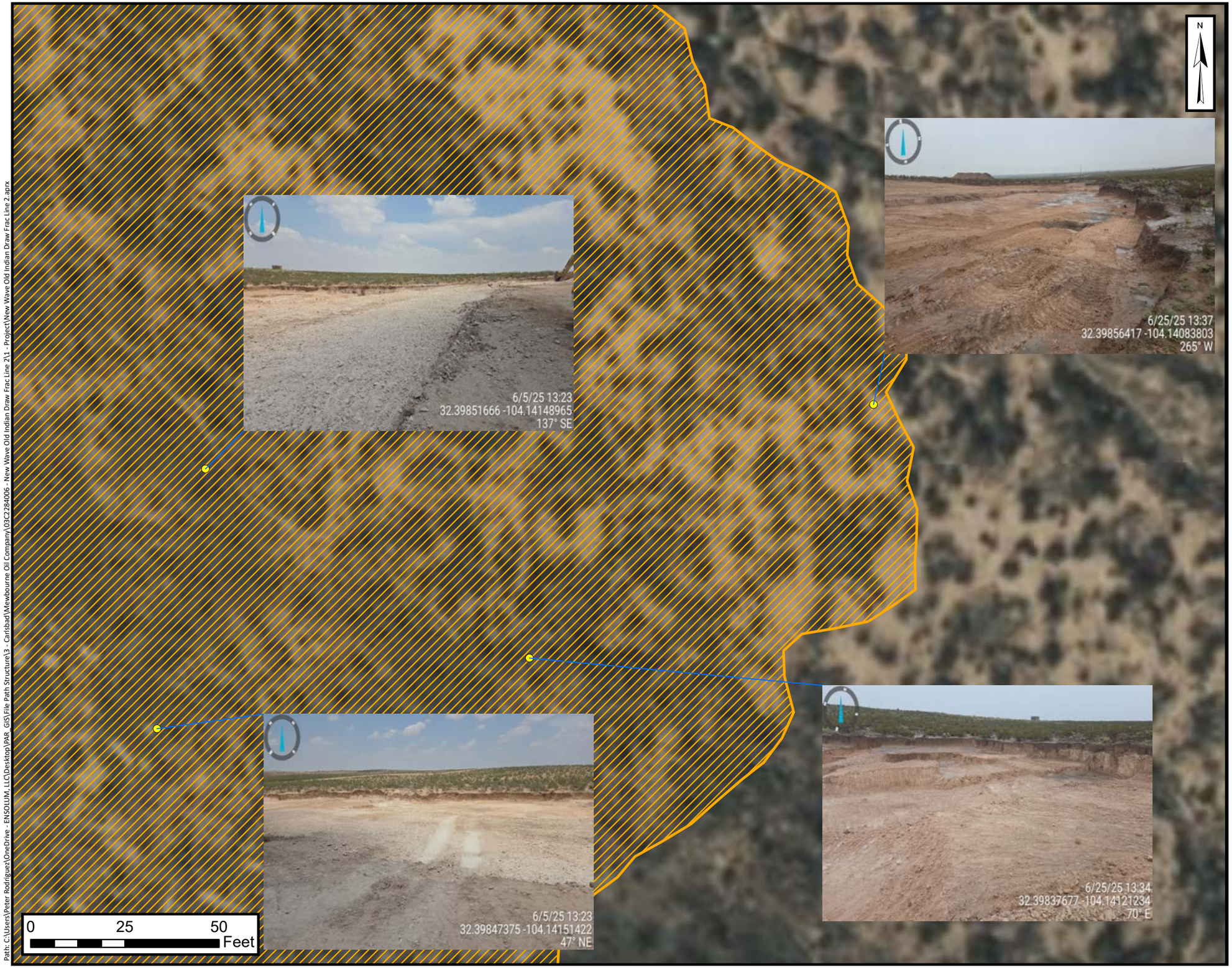
Photographic Log

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line

Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1F

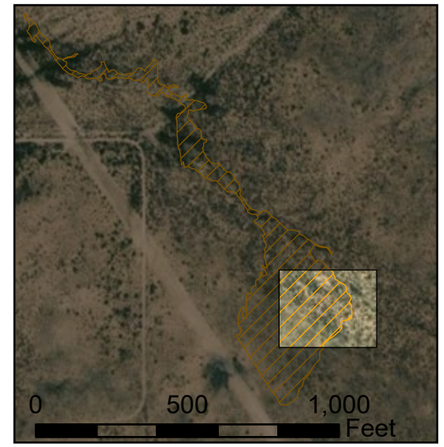
Incident Number: NAPP2505952408



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR GIS\File Path Structure\13 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

Legend

- Photograph Location
- Release Extent



Source:
Environmental Systems Research Institute (ESRI)

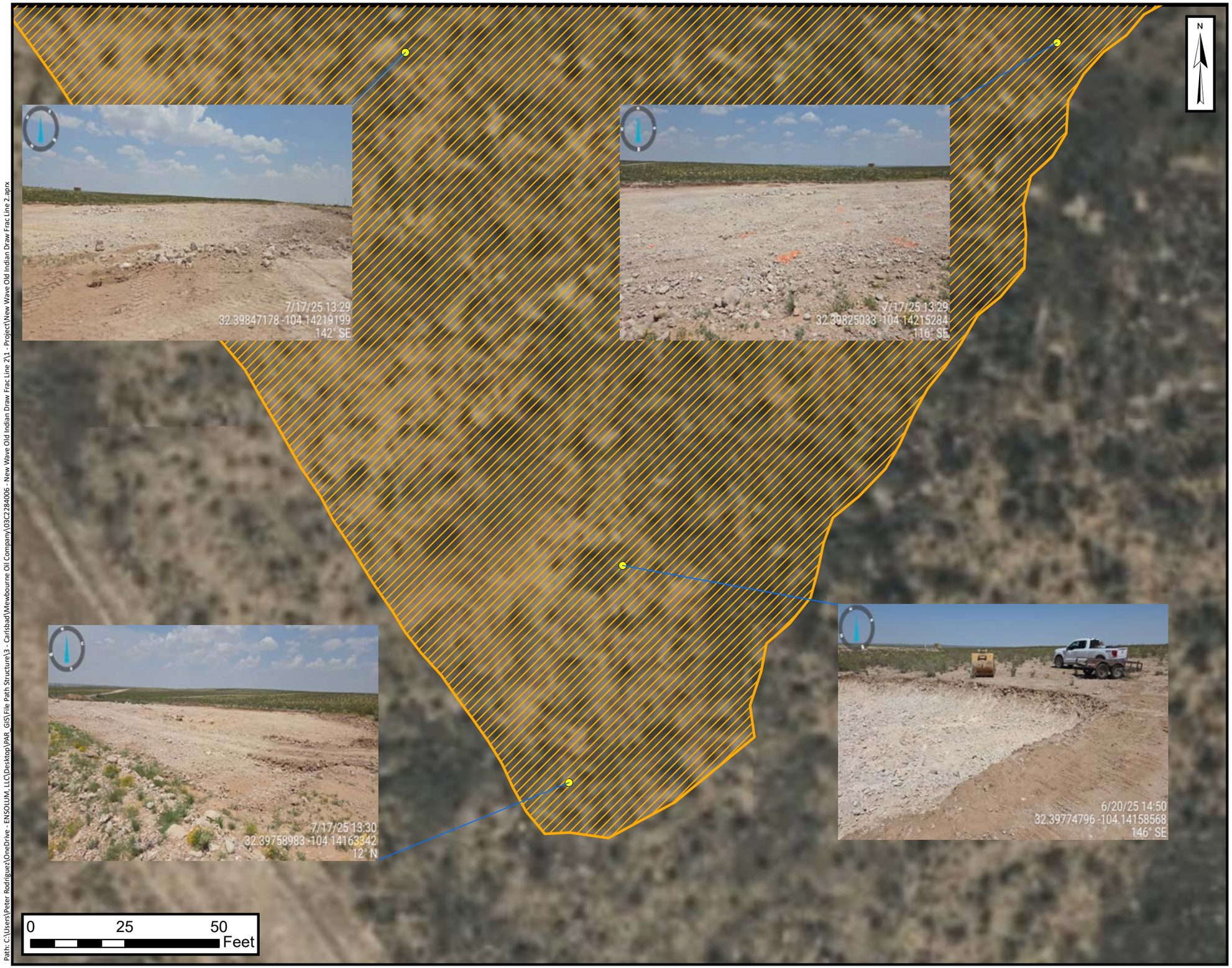
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

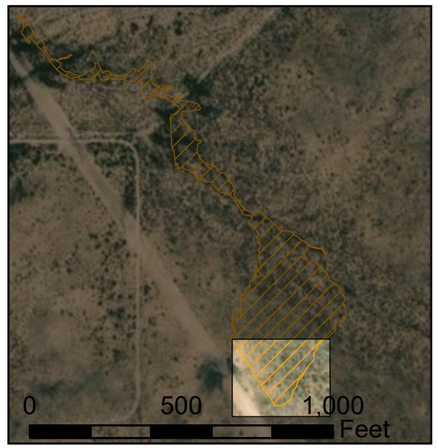
Photographic Log

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line
Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1G

Incident Number: NAPP2505952408





Legend

- Photograph Location
- Release Extent

Source:
Environmental Systems Research Institute (ESRI)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Photographic Log

Mewbourne Oil Company
New Wave Old Indian Draw Frac Line
Unit B, S13, T 22S, R 27E
Eddy County, New Mexico

FIGURE
1H

Incident Number: NAPP2505952408

Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\13 - Carlsbad\Mewbourne Oil Company\03C2284006 - New Wave Old Indian Draw Frac Line 2\1 - Project\New Wave Old Indian Draw Frac Line 2.aprx

ENSOLUM

APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation

CARDINAL Laboratories

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

May 14, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/08/25 13:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 01 3' (H252746-01)

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	05/08/2025	ND	2.08	104	2.00	2.71	
Toluene*	<0.050	0.050	05/08/2025	ND	2.19	109	2.00	2.39	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.44	107	6.00	2.54	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 02 3' (H252746-02)

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	05/08/2025	ND	2.20	110	2.00	4.10	
Toluene*	<0.050	0.050	05/08/2025	ND	2.22	111	2.00	5.21	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.21	111	2.00	4.28	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.87	115	6.00	4.63	
Total BTEX	<0.300	0.300	05/08/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *85.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 03 3' (H252746-03)

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	05/08/2025	ND	2.20	110	2.00	4.10	
Toluene*	<0.050	0.050	05/08/2025	ND	2.22	111	2.00	5.21	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.21	111	2.00	4.28	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.87	115	6.00	4.63	
Total BTEX	<0.300	0.300	05/08/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *83.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 04 3' (H252746-04)

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	05/08/2025	ND	2.20	110	2.00	4.10	
Toluene*	<0.050	0.050	05/08/2025	ND	2.22	111	2.00	5.21	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.21	111	2.00	4.28	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.87	115	6.00	4.63	
Total BTEX	<0.300	0.300	05/08/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 05 3' (H252746-05)

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	05/08/2025	ND	2.20	110	2.00	4.10	
Toluene*	<0.050	0.050	05/08/2025	ND	2.22	111	2.00	5.21	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.21	111	2.00	4.28	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.87	115	6.00	4.63	
Total BTEX	<0.300	0.300	05/08/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *81.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 06 5' (H252746-06)

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	05/08/2025	ND	2.20	110	2.00	4.10	
Toluene*	<0.050	0.050	05/08/2025	ND	2.22	111	2.00	5.21	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.21	111	2.00	4.28	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.87	115	6.00	4.63	
Total BTEX	<0.300	0.300	05/08/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 07 5' (H252746-07)

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	05/09/2025	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	05/09/2025	ND	2.19	109	2.00	1.18	
Ethylbenzene*	<0.050	0.050	05/09/2025	ND	2.19	109	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/09/2025	ND	6.49	108	6.00	1.58	
Total BTEX	<0.300	0.300	05/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *77.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 08 3' (H252746-08)

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	05/09/2025	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	05/09/2025	ND	2.19	109	2.00	1.18	
Ethylbenzene*	<0.050	0.050	05/09/2025	ND	2.19	109	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/09/2025	ND	6.49	108	6.00	1.58	
Total BTEX	<0.300	0.300	05/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *81.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/08/2025	Sampling Date:	05/07/2025
Reported:	05/14/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 09 8' (H252746-09)

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	05/09/2025	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	05/09/2025	ND	2.19	109	2.00	1.18	
Ethylbenzene*	<0.050	0.050	05/09/2025	ND	2.19	109	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/09/2025	ND	6.49	108	6.00	1.58	
Total BTEX	<0.300	0.300	05/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	05/09/2025	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	05/08/2025	ND	200	100	200	0.341	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	192	96.1	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane *86.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 181 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H252746																		
1	FS01	3	C	1			✓					✓		5-7-25	903	✓	✓	✓
2	FS 02	3	C	1			✓					✓		5-7-2	906	✓	✓	✓
3	FS 03	3	C	1			✓					✓		5-7-25	909	✓	✓	✓
4	FS C4	3	C	1			✓					✓		5-7-25	912	✓	✓	✓
5	SS05	3	C	1			✓					✓		5-7-25	903	✓	✓	✓
6	FS06	5	C	1			✓					✓		5-7-25	1420	✓	✓	✓
7	FS07	5	C	1			✓					✓		5-7-25	1415	✓	✓	✓
8	FS 08	3	C	1			✓					✓		5-7-25	1410	✓	✓	✓
9	FS09	8	C	1			✓					✓		5-7-25	1444	✓	✓	✓

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.

Relinquished By:	**Date:** 5-8-25	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1350		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		**REMARKS:** Incident Number - NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.6	Sample Condition Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C
	Corrected Temp. °C 2.1			Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 19, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/13/25 13:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/13/2025	Sampling Date:	05/08/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 11 3' (H252842-01)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *82.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/13/2025	Sampling Date:	05/08/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 12 5' (H252842-02)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *79.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/13/2025	Sampling Date:	05/08/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 13 4' (H252842-03)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 187 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Newbourne * 5/19/25 cb

Company Name: Ensolum, LLC	**BILL TO**		ANALYSIS REQUEST
Project Manager: Jeremy Reich	**P.O. #:**		
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC		
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich		
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400		
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland		
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701		
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627		
Sampler Name: Evan Roe	**Fax #:**		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H252842																		
1	FS 11	3	C	1			✓					✓		5-8-25	1033	✓	✓	✓
2	FS 12	5	C				✓					✓		5-8-25	1336	✓	✓	✓
3	FS 13	4	C				✓					✓		5-8-25	1232	✓	✓	✓

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.

Relinquished By: Evan R	**Date:** 5.13.25 **Time:** 1340	**Received By:** APacas	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**All Results are emailed. Please provide Email address:** jreich@ensolum.com, BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS: Incident Number - NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.4 Corrected Temp. °C 1.4	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** AP	**Turnaround Time:** Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 19, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/13/25 13:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 10 5' (H252843-01)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *80.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 14 4' (H252843-02)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *75.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 21 3.5' (H252843-03)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *81.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 193 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Newbourne #5/19/25 ch

Company Name: Ensolum, LLC		**BILL TO**	
Project Manager: Jeremy Reich		**P.O. #:**	
Address: 601 N Marienfeld Street, Suite 400		**Company:** Ensolum LLC	
City: Midland	**State:** TX **Zip:** 79701	**Attn:** Jeremy Reich	
Phone #: 432-296-0627	**Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400	
Project #: 03C2284006	**Project Owner:** New Wave	**City:** Midland	
Project Name: MOC Old Indian		**State:** NM **Zip:** 79701	
Project Location: 32.3978530, -104.1417240		**Phone #:** 432-296-0627	
Sampler Name: Evan Roe		**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H252843																		
1	FS10	5	C	1			✓					✓		5-9-25	1333	✓	✓	✓
2	FS14	4	C	1			✓					✓		5-9-25	1014	✓	✓	✓
3	FS21	3.5	C	1			✓					✓		5-9-25	1341	✓	✓	✓

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.

Relinquished By:	**Date:** 5.13.25 **Time:** 1340	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address: jreich@ensolum.com
			BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Relinquished By:	**Date:** **Time:**	**Received By:**	**REMARKS:** Incident Number - NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.0 Corrected Temp. °C 1.4	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** AP	**Turnaround Time:** Standard ☑ Rush ☐ AP 5.13.25 Thermometer ID ~~#113~~ #140 Correction Factor ~~-0.5~~ +0.3

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No — Observed Temp. °C — Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 21, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/15/25 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: SW 04 3-5' (H252943-01)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	05/16/2025	ND	400	100	400	3.92	

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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *83.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: SW 05 3-8' (H252943-02)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/16/2025	ND	400	100	400	3.92	

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	05/19/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane *91.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: SW 06 3-6' (H252943-03)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/16/2025	ND	400	100	400	3.92	

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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *84.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: FS 26 8' (H252943-04)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	05/16/2025	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	05/19/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane *87.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: FS 27 8' (H252943-05)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *75.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: FS 28 6' (H252943-06)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *78.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: FS 29 6' (H252943-07)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *85.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: FS 41 6' (H252943-08)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *89.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284007	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.397830-104.1417240		

Sample ID: FS 17 5.5' (H252943-09)

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	05/17/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/17/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/17/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/17/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *88.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 205 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284007 **Project Owner:** New Wave	**City:** Midland
Project Name: Old ~~Lobo~~ Indian 3978330	**State:** NM **Zip:** 79701
Project Location: 32.~~444437, -103.688210~~ -104.147240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H252443																		
1	SW04	3.5	C	1			✓					✓		5-14-25	1050	✓	✓	✓
2	SW05	3.8													1100			
3	SW06	3.6													1408			
4	FS 26	8													1055			
5	FS 27	8													1230			
6	FS 28	6													1235			
7	FS 29	6													1300			
8	FS 41	6													1345			
9	FS 17	5.5													1450			

Type text here

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.

Relinquished By:	**Date:** 5-15-25	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1400		**All Results are emailed. Please provide Email address:** jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		**REMARKS:** NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.4 Corrected Temp. °C 2.9	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	**Turnaround Time:** Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C #140 +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 21, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/15/25 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	05/15/2025	Sampling Date:	05/12/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	32.3078530 -104.1417240		

Sample ID: FS 30 3 (H252944-01)

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	05/17/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/17/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/17/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/17/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *80.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	05/15/2025	Sampling Date:	05/12/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	32.3078530 -104.1417240		

Sample ID: FS 31 3 (H252944-02)

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	05/17/2025	ND	2.19	110	2.00	0.345	
Toluene*	<0.050	0.050	05/17/2025	ND	2.35	117	2.00	1.14	
Ethylbenzene*	<0.050	0.050	05/17/2025	ND	2.21	110	2.00	0.440	
Total Xylenes*	<0.150	0.150	05/17/2025	ND	6.61	110	6.00	0.908	
Total BTEX	<0.300	0.300	05/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *80.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	05/15/2025	Sampling Date:	05/12/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	32.3078530 -104.1417240		

Sample ID: SW 01 0-3 (H252944-03)

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	05/17/2025	ND	2.19	110	2.00	0.345	
Toluene*	<0.050	0.050	05/17/2025	ND	2.35	117	2.00	1.14	
Ethylbenzene*	<0.050	0.050	05/17/2025	ND	2.21	110	2.00	0.440	
Total Xylenes*	<0.150	0.150	05/17/2025	ND	6.61	110	6.00	0.908	
Total BTEX	<0.300	0.300	05/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *90.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	05/15/2025	Sampling Date:	05/12/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	32.3078530 -104.1417240		

Sample ID: SW 02 0-3 (H252944-04)

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	05/17/2025	ND	2.19	110	2.00	0.345	
Toluene*	<0.050	0.050	05/17/2025	ND	2.35	117	2.00	1.14	
Ethylbenzene*	<0.050	0.050	05/17/2025	ND	2.21	110	2.00	0.440	
Total Xylenes*	<0.150	0.150	05/17/2025	ND	6.61	110	6.00	0.908	
Total BTEX	<0.300	0.300	05/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	05/15/2025	Sampling Date:	05/12/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	32.3078530 -104.1417240		

Sample ID: SW 03 0-3 (H252944-05)

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	05/17/2025	ND	2.19	110	2.00	0.345	
Toluene*	<0.050	0.050	05/17/2025	ND	2.35	117	2.00	1.14	
Ethylbenzene*	<0.050	0.050	05/17/2025	ND	2.21	110	2.00	0.440	
Total Xylenes*	<0.150	0.150	05/17/2025	ND	6.61	110	6.00	0.908	
Total BTEX	<0.300	0.300	05/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	05/15/2025	Sampling Date:	05/12/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	32.3078530 -104.1417240		

Sample ID: FS 34 4 (H252944-06)

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	05/17/2025	ND	2.19	110	2.00	0.345	
Toluene*	<0.050	0.050	05/17/2025	ND	2.35	117	2.00	1.14	
Ethylbenzene*	<0.050	0.050	05/17/2025	ND	2.21	110	2.00	0.440	
Total Xylenes*	<0.150	0.150	05/17/2025	ND	6.61	110	6.00	0.908	
Total BTEX	<0.300	0.300	05/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/16/2025	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	05/16/2025	ND	178	88.9	200	1.41	
DRO >C10-C28*	<10.0	10.0	05/16/2025	ND	171	85.3	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane *84.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 214 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Ensolum, LLC
Project Manager: Jeremy Reich
Address: 3122 National Parks Hwy
City: Carlsbad State: NM Zip: 88220
Phone #: 432 296 0627 Fax #:
Project #: 03C22241 0076 Project Owner: New Wave
Project Name: MOC Todd Old Indian
Project Location: ~~32.444137, -103.608210~~ 32.397853, -104.141240
Sampler Name: Joshua Bexley

BILL TO
P.O. #:
Company: Ensolum
Attn:
Address:
City: JPB
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides	TPH	BTEX
H253944																X	X	X
1	FS30	3	C	1			X					X		5.12.25	1025			
2	FS31	3													1030			
3	SW01	0-3													1105			
4	SW02	0-3													1110			
5	SW03	0-3													1115			
6	FS34	4	C	1			X					X		5.12.25	1235			

JPB

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.

Relinquished By: Date: 5-15-25 Time: 1400 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:
Incident: nAPP2505953548
Cost Center:

Turnaround Time: Standard ☑ Rush ☐ 5 day
Thermometer ID: #140
Correction Factor: +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 3.6
Corrected Temp. °C 3.9
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TE

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 27, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/20/25 13:35.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/15/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 15 5 (H253028-01)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *71.5-134*

Chloride, SM4500Cl-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	05/21/2025	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	05/21/2025	ND	190	94.8	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/15/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 16 5 (H253028-02)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	190	94.8	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *94.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/15/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 40 8 (H253028-03)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *91.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/15/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 08 3-8 (H253028-04)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/15/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 09 3-5 (H253028-05)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/15/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 10 4-5 (H253028-06)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *88.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/15/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 12 4-5 (H253028-07)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *85.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 224 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY					MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST														
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500														
H253028																															
1	FS15	5	C	1			✓					✓		5-15-25	911	✓	✓	✓														
2	FS16	5													907																	
3	FS40	8													1440																	
4	SW08	3-8													953																	
5	SW09	3-5													1025																	
6	SW10	4-5													1020																	
7	SW12	4-5	C	1			✓					✓		5-15-25	1204	✓	✓	✓														

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.

Relinquished By:	**Date:** 5-20-25	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1335		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		**REMARKS:** NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.4 Corrected Temp. °C 0.7	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C #140 +0.3°C
				Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Nc Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 27, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/20/25 13:35.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 32 4' (H253029-01)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *90.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 33 3' (H253029-02)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**864**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *82.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 38 4' (H253029-03)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *89.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 39 4' (H253029-04)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *95.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 42 4' (H253029-05)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *80.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 43 4' (H253029-06)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *80.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 44 4' (H253029-07)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *86.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 45 4' (H253029-08)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *84.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 46 4' (H253029-09)

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	05/21/2025	ND	2.06	103	2.00	1.27	
Toluene*	<0.050	0.050	05/21/2025	ND	1.66	83.1	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.72	85.8	2.00	0.715	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	5.23	87.2	6.00	0.482	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 47 4' (H253029-10)

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	05/21/2025	ND	2.10	105	2.00	1.65	
Toluene*	<0.050	0.050	05/21/2025	ND	2.26	113	2.00	0.845	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.13	107	2.00	1.88	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.41	107	6.00	1.47	
Total BTEX	<0.300	0.300	05/21/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *90.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 48 4' (H253029-11)

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	05/21/2025	ND	2.10	105	2.00	1.65	
Toluene*	<0.050	0.050	05/21/2025	ND	2.26	113	2.00	0.845	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.13	107	2.00	1.88	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.41	107	6.00	1.47	
Total BTEX	<0.300	0.300	05/21/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *91.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 49 4' (H253029-12)

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	05/21/2025	ND	2.10	105	2.00	1.65	
Toluene*	<0.050	0.050	05/21/2025	ND	2.26	113	2.00	0.845	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.13	107	2.00	1.88	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.41	107	6.00	1.47	
Total BTEX	<0.300	0.300	05/21/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *94.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/16/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 07 3-5' (H253029-13)

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	05/21/2025	ND	2.10	105	2.00	1.65	
Toluene*	<0.050	0.050	05/21/2025	ND	2.26	113	2.00	0.845	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.13	107	2.00	1.88	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.41	107	6.00	1.47	
Total BTEX	<0.300	0.300	05/21/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	05/21/2025	ND	480	120	400	3.39	

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	05/21/2025	ND	193	96.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	190	94.8	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *89.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 240 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	
Project Manager: Jeremy Reich	
Address: 601 N Marienfeld Street, Suite 400	
City: Midland State: TX Zip: 79701	
Phone #: 432-296-0627 Fax #:	
Project #: 03C2284006 Project Owner: New Wave	
Project Name: MOC Old Indian	
Project Location: 32.3978530, -104.1417240	
Sampler Name: Evan Roe	

BILL TO

P.O. #:
Company: ~~Ensolum LLC~~ Oil Conservation
Attn: ~~Jeremy Reich~~
Address: ~~601 N Marienfeld Street, Suite 400~~
City: ~~Midland~~
State: NM Zip: ~~79701~~
Phone #: ~~432-296-0627~~
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253029																		
1	FS 32	4	C	1			✓					✓		5-16-25	1149	✓	✓	✓
2	FS 33	3													1020			
3	FS 38	4													1138			
4	FS 39	4													1145			
5	FS 42	4													1153			
6	FS 43	4													1242			
7	FS 44	4													1248			
8	FS 45	4													~~1300~~			
9	FS 46	4													1310			
10	FS 47	4	C	1			✓					✓		5-16-25	1325			

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.

Relinquished By: Evan Roe	Date: 5.20.25 Time: 1335	Received By: Tamara Oldaker	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.4 Corrected Temp. °C 0.7	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS: BMolenda CWalker JBacon CRosencde

Turnaround Time: ☑ Standard ☐ Rush
Thermometer ID #113 #140
Correction Factor -0.3°C +0.3°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C
5.21.2025

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 241 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2

Company Name: Ensolum, LLC	BILL TO
Project Manager: Jeremy Reich	P.O. #: New Mexico oil comp
Address: 601 N Marienfeld Street, Suite 400	Company: ~~Ensolum LLC~~
City: Midland State: TX Zip: 79701	Attn: ~~Jeremy Reich~~
Phone #: 432-296-0627 Fax #:	Address: ~~601 N Marienfeld Street, Suite 400~~
Project #: 03C2284006 Project Owner: New Wave	City: ~~Midland~~
Project Name: MOC Old Indian	State: ~~NM~~ Zip: ~~79701~~
Project Location: 32.3978530, -104.1417240	Phone #: ~~432-296-0627~~
Sampler Name: Evan Roe	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H253029																		
11	FS48	~~1320~~ 4	C	1			✓					✓		5-14-25	1329	✓	✓	✓
12	FS49	~~1335~~ 4	C	1			✓					✓			1335			
13	SW07	3-5	C	1			✓					✓			940			

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.

Relinquished By: Evan Roe	Date: 5-20-25 Time: 1335	Received By: Tamara Oldaker	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.4 Corrected Temp. °C 0.7	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)

REMARKS: BMolender CWalker JBroom CRamirez

Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 #140 Correction Factor -0.3°C +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 27, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/20/25 13:35.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 50 4' (H253031-01)

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	05/21/2025	ND	2.10	105	2.00	1.65	
Toluene*	<0.050	0.050	05/21/2025	ND	2.26	113	2.00	0.845	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.13	107	2.00	1.88	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.41	107	6.00	1.47	
Total BTEX	<0.300	0.300	05/21/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *107 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 53 4' (H253031-02)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *110 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 54 4' (H253031-03)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 55 4' (H253031-04)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *94.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 56 4' (H253031-05)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 57 4' (H253031-06)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *111 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 58 4' (H253031-07)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *89.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 69 4' (H253031-08)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-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	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 70 4' (H253031-09)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-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	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 71 4' (H253031-10)

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	05/21/2025	ND	2.05	103	2.00	3.51	
Toluene*	<0.050	0.050	05/21/2025	ND	2.12	106	2.00	3.59	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	105	2.00	3.67	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.16	103	6.00	3.75	
Total BTEX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	05/21/2025	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	05/21/2025	ND	190	94.9	200	0.881	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	182	91.1	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane *93.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 Project Owner: New Wave	City: Midland
Project Name: MOC Old Indian	State: NM Zip: 79701
Project Location: 32.3978530, -104.1417240	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H25 3031																		
1	FS 50	4'	C	1			✓					✓		5-19-25	936	✓	✓	✓
2	FS 51 53														1126			
3	FS 52 54														1132			
4	FS 53 55														1331			
5	FS 5-56														1335			
6	FS 57														1338			
7	FS 58														1340			
8	FS 69														452			
9	FS 70														646			
10	FS 71	4'	C	1			✓					✓		5-19-25	940			

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.

Relinquished By:	Date: 5-20-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1335		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Delivered By: (Circle One)	Observed Temp. °C 0.4	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.7	☑ Yes ☑ Yes ☐ No ☐ No		Thermometer ID #113 #140 Correction Factor -0.5°C +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

May 29, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/22/25 14:00.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 51 5' (H253094-01)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	05/27/2025	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	05/23/2025	ND	191	95.6	200	0.573	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	189	94.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *89.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 52 5' (H253094-02)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	05/27/2025	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	05/23/2025	ND	191	95.6	200	0.573	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	189	94.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *95.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 60 4' (H253094-03)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/27/2025	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	05/23/2025	ND	191	95.6	200	0.573	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	189	94.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *94.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 61 4' (H253094-04)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	05/27/2025	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	05/23/2025	ND	205	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	195	97.3	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *85.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 62 4' (H253094-05)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	05/27/2025	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	05/23/2025	ND	205	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	195	97.3	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *86.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 63 4' (H253094-06)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	05/27/2025	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	05/23/2025	ND	205	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	195	97.3	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *98.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 64 4' (H253094-07)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *71.5-134*

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	05/27/2025	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	05/23/2025	ND	205	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	195	97.3	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 65 4' (H253094-08)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	05/27/2025	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	05/23/2025	ND	205	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	195	97.3	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *98.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 66 4' (H253094-09)

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	05/23/2025	ND	2.22	111	2.00	5.22	
Toluene*	<0.050	0.050	05/23/2025	ND	2.24	112	2.00	5.02	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.42	107	6.00	5.47	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

Chloride, SM4500Cl-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	05/27/2025	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	05/23/2025	ND	205	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	195	97.3	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 67 4' (H253094-10)

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	05/23/2025	ND	2.36	118	2.00	1.48	
Toluene*	<0.050	0.050	05/23/2025	ND	2.26	113	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.38	119	2.00	2.21	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	7.20	120	6.00	2.53	
Total BTEX	<0.300	0.300	05/23/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	05/27/2025	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	05/23/2025	ND	205	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	195	97.3	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/29/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 68 4' (H253094-11)

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	05/23/2025	ND	2.36	118	2.00	1.48	
Toluene*	<0.050	0.050	05/23/2025	ND	2.26	113	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.38	119	2.00	2.21	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	7.20	120	6.00	2.53	
Total BTEX	<0.300	0.300	05/23/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/27/2025	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	05/23/2025	ND	205	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	195	97.3	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *98.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 268 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	BILL TO
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 Project Owner: New Wave	City: Midland
Project Name: MOC Old Indian	State: NM Zip: 79701
Project Location: 32.3978530, -104.1417240	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H25394																		
1	FS 51	5	C	1			✓					✓		5-20-25	1030	✓	✓	✓
2	FS 52	5													1035			
3	FS 60	4													1040			
4	FS 61														1045			
5	FS 62														1235			
6	FS 63														1240			
7	FS 64														1245			
8	FS 65														1250			
9	FS 66												✓	5-20-25	1338			
10	FS 67		C	1			✓								1343	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 5.22.25 Time: 1400	Received By: S Rodriguez	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 20.2 Corrected Temp. °C 0.1	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials)

BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: 10 3d Standard ☑ Rush ☐ #140

Thermometer ID #113 Correction Factor -0.5°C

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

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 269 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	BILL TO
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 Project Owner: New Wave	City: Midland
Project Name: MOC Old Indian	State: NM Zip: 79701
Project Location: 32.3978530, -104.1417240	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253094	FS68	4	C	1			✓					✓		5.20.25	1350	✓	✓	✓
"																		

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.

Relinquished By: Evan R	Date: 5.22.25 Time: 1400	Received By: SRodriguez	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.2 Corrected Temp. °C 0.1	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) SR

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113 #140 Correction Factor -0.5°C 10.3

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

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 02, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/27/25 13:52.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 79 3' (H253148-01)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	05/28/2025	ND	480	120	400	18.2	

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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *84.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 80 3' (H253148-02)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	05/28/2025	ND	480	120	400	18.2	

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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *81.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 81 3' (H253148-03)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/28/2025	ND	480	120	400	18.2	

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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 82 3' (H253148-04)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *93.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 83 3' (H253148-05)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 84 3' (H253148-06)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 85 3' (H253148-07)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 18 3' (H253148-08)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *87.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/22/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 19 3' (H253148-09)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *74.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 281 of 1704

CARDINAL Laboratories

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**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253148-1	FS 79	3	C	1			✓					✓		5-22-25	1035	✓	✓	✓
2	FS 80														1350			
3	FS 81														1355			
4	FS 82														1400			
5	FS 83														1405			
6	FS 84														1410			
7	FS 85														1450			
8	FS 16														1455			
9	FS 19	3	C	1			✓					✓		5-22-25	1300	✓	✓	✓

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.

Relinquished By: Evan	**Date:** 5-27-25 **Time:** 1352	**Received By:** Tamara Oldaker	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.8 Corrected Temp. °C 1.1	**Sample Condition** Cool: Yes Intact: Yes / No	**CHECKED BY:** (Initials)

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**
All Results are emailed. Please provide Email address: jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: ☑ Standard ☐ Rush
Thermometer ID #113 **Correction Factor** -0.5°C
Bacteria (only) Sample Condition Cool: Yes / No Intact: Yes / No **Observed Temp. °C** #146 +0.3° **Corrected Temp. °C** 1.1° 5/27/25

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 02, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/27/25 13:52.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/23/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 12 0-4' (H253149-01)

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	05/27/2025	ND	1.86	93.1	2.00	1.44	
Toluene*	<0.050	0.050	05/27/2025	ND	1.91	95.7	2.00	3.87	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	1.91	95.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	5.90	98.4	6.00	3.18	
Total BTEX	<0.300	0.300	05/27/2025	ND					

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

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	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/23/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 13 0-4' (H253149-02)

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	05/27/2025	ND	1.98	99.0	2.00	8.29	
Toluene*	<0.050	0.050	05/27/2025	ND	2.08	104	2.00	7.98	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	2.06	103	2.00	7.78	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	6.31	105	6.00	6.81	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *89.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/23/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 16 0-7' (H253149-03)

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	05/27/2025	ND	1.98	99.0	2.00	8.29	
Toluene*	<0.050	0.050	05/27/2025	ND	2.08	104	2.00	7.98	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	2.06	103	2.00	7.78	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	6.31	105	6.00	6.81	
Total BTEX	<0.300	0.300	05/27/2025	ND					

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

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	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *92.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/23/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 76 7' (H253149-04)

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	05/27/2025	ND	1.98	99.0	2.00	8.29	
Toluene*	<0.050	0.050	05/27/2025	ND	2.08	104	2.00	7.98	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	2.06	103	2.00	7.78	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	6.31	105	6.00	6.81	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *94.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/23/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 87 3' (H253149-05)

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	05/27/2025	ND	1.98	99.0	2.00	8.29	
Toluene*	<0.050	0.050	05/27/2025	ND	2.08	104	2.00	7.98	
Ethylbenzene*	<0.050	0.050	05/27/2025	ND	2.06	103	2.00	7.78	
Total Xylenes*	<0.150	0.150	05/27/2025	ND	6.31	105	6.00	6.81	
Total BTEX	<0.300	0.300	05/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *94.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/23/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 88 3' (H253149-06)

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	05/28/2025	ND	1.76	87.8	2.00	11.3	
Toluene*	<0.050	0.050	05/28/2025	ND	1.85	92.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	05/28/2025	ND	1.83	91.6	2.00	10.3	
Total Xylenes*	<0.150	0.150	05/28/2025	ND	5.40	90.0	6.00	10.6	
Total BTEX	<0.300	0.300	05/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *71.5-134*

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	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/23/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 89 3' (H253149-07)

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	05/28/2025	ND	1.76	87.8	2.00	11.3	
Toluene*	<0.050	0.050	05/28/2025	ND	1.85	92.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	05/28/2025	ND	1.83	91.6	2.00	10.3	
Total Xylenes*	<0.150	0.150	05/28/2025	ND	5.40	90.0	6.00	10.6	
Total BTEX	<0.300	0.300	05/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/27/2025	Sampling Date:	05/23/2025
Reported:	06/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 90 3' (H253149-08)

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	05/28/2025	ND	1.76	87.8	2.00	11.3	
Toluene*	<0.050	0.050	05/28/2025	ND	1.85	92.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	05/28/2025	ND	1.83	91.6	2.00	10.3	
Total Xylenes*	<0.150	0.150	05/28/2025	ND	5.40	90.0	6.00	10.6	
Total BTEX	<0.300	0.300	05/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/28/2025	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	05/27/2025	ND	227	113	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	220	110	200	0.738	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 292 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: 432-296-0627 Fax #:
Project #: 03C2284006 Project Owner: New Wave
Project Name: MOC Old Indian
Project Location: 32.3978530, -104.1417240
Sampler Name: Evan Roe

BILL TO
P.O. #:
Company: Ensolum LLC
Attn: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland
State: NM Zip: 79701
Phone #: 432-296-0627
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253149																		
1	SW12	0-4	C	1			✓					✓		5-23-25	925	✓	✓	✓
2	SW13	0.4													935			
3	SW16	0-0.7													1230			
4	FS76	7													1238			
5	FS87	3													1420			
6	FS88	3													1425			
7	FS89	3													1430			
8	FS90	3	C	1			✓					✓		5-23-25	1435	✓	✓	✓

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.

Relinquished By: Date: 5-27-25 Time: 1352 Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 0.8 Corrected Temp. °C 1.1c
Sample Condition: Cool Yes / Intact Yes
CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS:
NAPP2505952408
BMolander JBroom CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113 Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐ Yes Intact ☐ Yes
Observed Temp. °C #190 +0.3c
Corrected Temp. °C 5/27/25

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 04, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/29/25 13:40.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 15 0-8.5' (H253216-01)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	05/30/2025	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	05/30/2025	ND	189	94.4	200	1.85	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *84.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 17 0-8' (H253216-02)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 19 0-8' (H253216-03)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *83.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 20 0-7' (H253216-04)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *95.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: 432-296-0627 Fax #:
Project #: 03C2284006 Project Owner: New Wave
Project Name: MOC Old Indian
Project Location: 32.3978530, -104.1417240
Sampler Name: Evan Roe

BILL TO

P.O. #:
Company: Ensolum LLC
Attn: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland
State: NM Zip: 79701
Phone #: 432-296-0627
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H25321 1	SW15	0-0.5	C	1			✓					✓		5-27-25	1325	✓	✓	✓
2	SW17	0-0.5	C	1			✓					✓			1330	✓	✓	✓
3	SW19	0-0.5	C	1			✓					✓			1340	✓	✓	✓
4	SW20	0-0.5	C	1			✓					✓		5-27-25	1345	✓	✓	✓

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.

Relinquished By: Evan Roe Date: 5-29-25 Time: 1340
Received By: Tamara Oldaker
Relinquished By: Date: Time:
Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: : jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS:
NAPP2505952408 BMolander JBroom CWalker CRosendo

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

Observed Temp. °C -1.2
Corrected Temp. °C -0.9

Sample Condition: Cool ☑ Yes Intact ☑ Yes ☐ No ☐ No

CHECKED BY: (Initials) TO

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113 Correction Factor -0.5°C #140 +0.3c

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 04, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/29/25 13:40.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 75 8 (H253217-01)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *89.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 86 8.5 (H253217-02)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *96.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 91 3 (H253217-03)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *79.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 92 3 (H253217-04)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *83.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 93 3 (H253217-05)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *83.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 94 3 (H253217-06)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *88.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 95 3 (H253217-07)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *88.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 96 3 (H253217-08)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 20 3 (H253217-09)

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	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	05/30/2025	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	05/30/2025	ND	210	105	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *77.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 311 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 Project Owner: New Wave	City: Midland
Project Name: MOC Old Indian	State: NM Zip: 79701
Project Location: 32.3978530, -104.1417240	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H253217																		
1	FS75	8	C	1			✓					✓		5-22-25	850	✓	✓	✓
2	FS86	8.5													1242			
3	FS91	3													1003			
4	FS92														1014			
5	FS93														1017			
6	FS94														1021			
7	FS95														1055			
8	FS96														1100			
9	FS20	3	C	1			✓					✓		5-22-25	1105			

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.

Relinquished By:	Date: 5.29.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1340		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.2 Corrected Temp. °C 0.9	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 04, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 05/29/25 13:40.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 18 0-8.5' (H253220-01)

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	05/31/2025	ND	1.72	86.1	2.00	5.45	
Toluene*	<0.050	0.050	05/31/2025	ND	1.77	88.3	2.00	6.65	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.80	90.0	2.00	6.91	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.59	93.2	6.00	7.68	
Total BTEX	<0.300	0.300	05/31/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *85.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 98 3' (H253220-02)

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	05/31/2025	ND	1.72	86.1	2.00	5.45	
Toluene*	<0.050	0.050	05/31/2025	ND	1.77	88.3	2.00	6.65	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.80	90.0	2.00	6.91	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.59	93.2	6.00	7.68	
Total BTEX	<0.300	0.300	05/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *94.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 99 3' (H253220-03)

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	05/31/2025	ND	1.72	86.1	2.00	5.45	
Toluene*	<0.050	0.050	05/31/2025	ND	1.77	88.3	2.00	6.65	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.80	90.0	2.00	6.91	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.59	93.2	6.00	7.68	
Total BTEX	<0.300	0.300	05/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *89.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 100 3' (H253220-04)

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	05/31/2025	ND	1.72	86.1	2.00	5.45	
Toluene*	<0.050	0.050	05/31/2025	ND	1.77	88.3	2.00	6.65	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.80	90.0	2.00	6.91	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.59	93.2	6.00	7.68	
Total BTEX	<0.300	0.300	05/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/30/2025	ND	416	104	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *84.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 101 3' (H253220-05)

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	05/31/2025	ND	1.72	86.1	2.00	5.45	
Toluene*	<0.050	0.050	05/31/2025	ND	1.77	88.3	2.00	6.65	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.80	90.0	2.00	6.91	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.59	93.2	6.00	7.68	
Total BTEX	<0.300	0.300	05/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 102 3-4' (H253220-06)

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	05/31/2025	ND	1.72	86.1	2.00	5.45	
Toluene*	<0.050	0.050	05/31/2025	ND	1.77	88.3	2.00	6.65	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.80	90.0	2.00	6.91	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.59	93.2	6.00	7.68	
Total BTEX	<0.300	0.300	05/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *95.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 103 4' (H253220-07)

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	05/31/2025	ND	1.72	86.1	2.00	5.45	
Toluene*	<0.050	0.050	05/31/2025	ND	1.77	88.3	2.00	6.65	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.80	90.0	2.00	6.91	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.59	93.2	6.00	7.68	
Total BTEX	<0.300	0.300	05/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *93.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 104 3' (H253220-08)

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	05/31/2025	ND	1.72	86.1	2.00	5.45	
Toluene*	<0.050	0.050	05/31/2025	ND	1.77	88.3	2.00	6.65	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.80	90.0	2.00	6.91	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.59	93.2	6.00	7.68	
Total BTEX	<0.300	0.300	05/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *92.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 105 3' (H253220-09)

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	05/30/2025	ND	1.80	90.2	2.00	8.22	
Toluene*	<0.050	0.050	05/30/2025	ND	1.90	95.1	2.00	9.55	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.89	94.6	2.00	10.5	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.88	97.9	6.00	10.5	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *94.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 72 4' (H253220-10)

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	05/30/2025	ND	1.80	90.2	2.00	8.22	
Toluene*	<0.050	0.050	05/30/2025	ND	1.90	95.1	2.00	9.55	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.89	94.6	2.00	10.5	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.88	97.9	6.00	10.5	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/30/2025	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	05/30/2025	ND	203	102	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	189	94.3	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *90.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: 432-296-0627 Fax #:
Project #: 03C2284006 Project Owner: New Wave
Project Name: MOC Old Indian
Project Location: 32.3978530, -104.1417240
Sampler Name: Evan Roe

BILL TO
P.O. #:
Company: Ensolum LLC
Attn: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland
State: NM Zip: 79701
Phone #: 432-296-0627
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253220-1	SW18	0-8.5	C	1			✓					✓		5-28-25	952	✓	✓	✓
2	FS 98	3													1120			
3	FS 99	3													1125			
4	FS 100	3													1130			
5	FS 101	3													1135			
6	FS 102	3-4													1305			
7	FS 103	4													1310			
8	FS 104	3													1315			
9	FS 105	3													1320			
10	FS 72	4	C	1			✓					✓		5-28-25	1350	✓	✓	✓

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.

Relinquished By: Date: 5-29-25 Time: 1340 Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C -1.2 Corrected Temp. °C -0.9
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: : jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS:
NAPP2505952408
BMolander JBroom
CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113 Correction Factor -0.5°C
#140 +0.3°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 06, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/02/25 11:50.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 33 4' (H253264-01)

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	06/02/2025	ND	1.96	98.1	2.00	1.43	
Toluene*	<0.050	0.050	06/02/2025	ND	2.00	100	2.00	2.05	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	5.85	97.5	6.00	1.35	
Total BTEX	<0.300	0.300	06/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *79.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 73 5' (H253264-02)

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	06/02/2025	ND	1.96	98.1	2.00	1.43	
Toluene*	<0.050	0.050	06/02/2025	ND	2.00	100	2.00	2.05	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	5.85	97.5	6.00	1.35	
Total BTEX	<0.300	0.300	06/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 120 3' (H253264-03)

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	06/02/2025	ND	1.96	98.1	2.00	1.43	
Toluene*	<0.050	0.050	06/02/2025	ND	2.00	100	2.00	2.05	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	5.85	97.5	6.00	1.35	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 112 3' (H253264-04)

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	06/02/2025	ND	1.96	98.1	2.00	1.43	
Toluene*	<0.050	0.050	06/02/2025	ND	2.00	100	2.00	2.05	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	5.85	97.5	6.00	1.35	
Total BTEX	<0.300	0.300	06/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *86.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 114 3' (H253264-05)

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	06/02/2025	ND	1.96	98.1	2.00	1.43	
Toluene*	<0.050	0.050	06/02/2025	ND	2.00	100	2.00	2.05	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	5.85	97.5	6.00	1.35	
Total BTEX	<0.300	0.300	06/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *87.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 116 3' (H253264-06)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *87.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 117 3' (H253264-07)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *80.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 118 3' (H253264-08)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *87.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/29/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 119 3' (H253264-09)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *92.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 336 of 1704

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO	
Project Manager: Jeremy Reich		P.O. #:	
Address: 601 N Marienfeld Street, Suite 400		Company: Ensolum LLC	
City: Midland	State: TX Zip: 79701	Attn: Jeremy Reich	
Phone #: 432-296-0627	Fax #:	Address: 601 N Marienfeld Street, Suite 400	
Project #: 03C2284006	Project Owner: New Wave	City: Midland	
Project Name: MOC Old Indian		State: NM Zip: 79701	
Project Location: 32.3978530, -104.1417240		Phone #: 432-296-0627	
Sampler Name: Evan Roe		Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253264												✓						
1	FS33	4					✓					✓		5-22-25	955	✓	✓	✓
2	FS73	4					✓					✓			1115	✓	✓	✓
3	FS120	4					✓					✓			1015	✓	✓	✓
4	FS112	4					✓					✓			1130	✓	✓	✓
5	FS114	3					✓					✓			1150	✓	✓	✓
6	FS116	3					✓					✓			1415	✓	✓	✓
7	FS117	3					✓					✓			1420	✓	✓	✓
8	FS118	3					✓					✓			1425	✓	✓	✓
9	FS119	3					✓					✓			1430	✓	✓	✓
	—	—												5-23-25	—			

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.

Relinquished By: Evan	Date: 5-23-25 Time: 1150	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Delivered By: (Circle One)	Observed Temp. °C 12	Sample Condition Cool Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.5	☐ Yes ☑ Yes ☐ No ☐ No	

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

#140 +0.3c

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 23, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/02/25 11:50.

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.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 33 4'	H253264-01	Soil	29-May-25 09:55	02-Jun-25 11:50
FS 72 5'	H253264-02	Soil	29-May-25 11:15	02-Jun-25 11:50
FS 120 3'	H253264-03	Soil	29-May-25 10:15	02-Jun-25 11:50
FS 112 3'	H253264-04	Soil	29-May-25 11:30	02-Jun-25 11:50
FS 114 3'	H253264-05	Soil	29-May-25 11:55	02-Jun-25 11:50
FS 116 3'	H253264-06	Soil	29-May-25 14:15	02-Jun-25 11:50
FS 117 3'	H253264-07	Soil	29-May-25 14:20	02-Jun-25 11:50
FS 118 3'	H253264-08	Soil	29-May-25 14:25	02-Jun-25 11:50
FS 119 3'	H253264-09	Soil	29-May-25 14:30	02-Jun-25 11:50

06/23/25 - Client changed the sample ID on -02 (see COC). This is the revised report and will replace the one sent on 06/06/25.

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 33 4'

H253264-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.9 %*	*71.5-134*		*5060206*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*79.8 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.3 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 72 5'

H253264-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.9 %*	*71.5-134*		*5060206*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.1 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.5 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 120 3'

H253264-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.1 %*	*71.5-134*		*5060206*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*84.4 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*81.1 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 112 3'

H253264-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.3 %*	*71.5-134*		*5060206*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*86.4 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*82.9 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 114 3'

H253264-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**512**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060206	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.5 %*	*71.5-134*		*5060206*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.2 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.9 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 116 3'

H253264-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*5060217*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.9 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.4 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 117 3'

H253264-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*5060217*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*80.9 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.5 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 118 3'

H253264-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*71.5-134*		*5060217*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.8 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.7 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

FS 119 3'

H253264-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	5060307	AC	03-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060217	JH	02-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5060217*	JH	*02-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060219	MS	03-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*92.2 %*	*44.4-145*		*5060219*	MS	*03-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*89.6 %*	*40.6-153*		*5060219*	MS	*03-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5060307 - 1:4 DI Water										
Blank (5060307-BLK1)				Prepared & Analyzed: 03-Jun-25						
Chloride	ND	16.0	mg/kg							
LCS (5060307-BS1)				Prepared & Analyzed: 03-Jun-25						
Chloride	480	16.0	mg/kg	400		120	80-120			
LCS Dup (5060307-BSD1)				Prepared & Analyzed: 03-Jun-25						
Chloride	480	16.0	mg/kg	400		120	80-120	0.00	20	

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5060206 - Volatiles										
Blank (5060206-BLK1)				Prepared & Analyzed: 02-Jun-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*		*98.7*	*71.5-134*			
LCS (5060206-BS1)				Prepared & Analyzed: 02-Jun-25						
Benzene	1.96	0.050	mg/kg	2.00		98.1	76.3-129			
Toluene	2.00	0.050	mg/kg	2.00		100	84.1-129			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.5	80.1-133			
m,p-Xylene	3.91	0.100	mg/kg	4.00		97.7	81.4-134			
o-Xylene	1.94	0.050	mg/kg	2.00		97.1	81.4-133			
Total Xylenes	5.85	0.150	mg/kg	6.00		97.5	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0483*		mg/kg	*0.0500*		*96.5*	*71.5-134*			
LCS Dup (5060206-BSD1)				Prepared & Analyzed: 02-Jun-25						
Benzene	1.99	0.050	mg/kg	2.00		99.5	76.3-129	1.43	15.8	
Toluene	2.04	0.050	mg/kg	2.00		102	84.1-129	2.05	15.9	
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	80.1-133	1.09	16	
m,p-Xylene	3.96	0.100	mg/kg	4.00		99.0	81.4-134	1.31	16.2	
o-Xylene	1.97	0.050	mg/kg	2.00		98.5	81.4-133	1.42	16.7	
Total Xylenes	5.93	0.150	mg/kg	6.00		98.9	81.5-134	1.35	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0478*		mg/kg	*0.0500*		*95.6*	*71.5-134*			
Batch 5060217 - Volatiles										
Blank (5060217-BLK1)				Prepared & Analyzed: 02-Jun-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							

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5060217 - Volatiles										
Blank (5060217-BLK1)				Prepared & Analyzed: 02-Jun-25						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0522*		mg/kg	*0.0500*		*104*	*71.5-134*			
LCS (5060217-BS1)				Prepared & Analyzed: 02-Jun-25						
Benzene	1.95	0.050	mg/kg	2.00		97.4	76.3-129			
Toluene	1.97	0.050	mg/kg	2.00		98.5	84.1-129			
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.0	80.1-133			
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	81.4-134			
o-Xylene	2.02	0.050	mg/kg	2.00		101	81.4-133			
Total Xylenes	6.06	0.150	mg/kg	6.00		101	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0503*		mg/kg	*0.0500*		*101*	*71.5-134*			
LCS Dup (5060217-BSD1)				Prepared & Analyzed: 02-Jun-25						
Benzene	2.01	0.050	mg/kg	2.00		101	76.3-129	3.20	15.8	
Toluene	2.04	0.050	mg/kg	2.00		102	84.1-129	3.30	15.9	
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	80.1-133	3.02	16	
m,p-Xylene	4.17	0.100	mg/kg	4.00		104	81.4-134	3.09	16.2	
o-Xylene	2.07	0.050	mg/kg	2.00		104	81.4-133	2.83	16.7	
Total Xylenes	6.24	0.150	mg/kg	6.00		104	81.5-134	3.00	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0497*		mg/kg	*0.0500*		*99.5*	*71.5-134*			

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 ar 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 su 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 15:53

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 5060219 - General Prep - Organics										
Blank (5060219-BLK1)				Prepared: 02-Jun-25 Analyzed: 03-Jun-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	*54.7*		mg/kg	*50.0*		*109*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*54.9*		mg/kg	*50.0*		*110*	*40.6-153*			
LCS (5060219-BS1)				Prepared: 02-Jun-25 Analyzed: 03-Jun-25						
GRO C6-C10	220	10.0	mg/kg	200		110	81.5-123			
DRO >C10-C28	191	10.0	mg/kg	200		95.7	77.7-122			
Total TPH C6-C28	412	10.0	mg/kg	400		103	80.9-121			
Surrogate: 1-Chlorooctane	*56.9*		mg/kg	*50.0*		*114*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*58.2*		mg/kg	*50.0*		*116*	*40.6-153*			
LCS Dup (5060219-BSD1)				Prepared: 02-Jun-25 Analyzed: 03-Jun-25						
GRO C6-C10	220	10.0	mg/kg	200		110	81.5-123	0.160	13	
DRO >C10-C28	192	10.0	mg/kg	200		96.2	77.7-122	0.541	15.6	
Total TPH C6-C28	412	10.0	mg/kg	400		103	80.9-121	0.167	18.5	
Surrogate: 1-Chlorooctane	*57.5*		mg/kg	*50.0*		*115*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*58.9*		mg/kg	*50.0*		*118*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

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 *=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 ar 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 su 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

Page 353 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:** Newbourne
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H26332[illegible]																		
1	FS33	4					✓					✓		6-23-25	955	✓	✓	✓
2	~~FS~~ 72	4													1115			
3	FS120	4													1015			
4	FS112	4													1130			
5	FS114	3													1150			
6	FS116	3													1415			
7	FS117	3													1420			
8	FS118	3													1425			
9	FS119	3					✓					✓			1430	✓	✓	✓
	—	—												6-24-25	—			

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.

Relinquished By:	**Date:** 6-25 **Time:** 7:50	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**All Results are emailed. Please provide Email address:** jreich@ensolum.com, BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** 1.2 **Corrected Temp. °C** 1.5	**Sample Condition** Cool: ☐ Yes ☑ Yes ☐ No ☐ No Intact	**CHECKED BY: (Initials)**

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐ **Thermometer ID** #113 #140 **Correction Factor** -0.5°C +0.3°

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ Yes ☐ No ☐ No Intact **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.2 10/07/21

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

*sample ID correction 6-23-25 per client. Stockpile 4

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 06, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/02/25 11:50.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 115 3 (H253265-01)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/03/2025	ND	416	104	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *90.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 121 3 (H253265-02)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/03/2025	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *82.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 122 3 (H253265-03)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/03/2025	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *82.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 123 3 (H253265-04)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/03/2025	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *86.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 124 3 (H253265-05)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/03/2025	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *76.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 125 3 (H253265-06)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/03/2025	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *85.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 73 5 (H253265-07)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/03/2025	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *88.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 74 6 (H253265-08)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/03/2025	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	06/03/2025	ND	220	110	200	0.160	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	191	95.7	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *92.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 77 6 (H253265-09)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/03/2025	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	06/03/2025	ND	222	111	200	1.57	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	213	107	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *91.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 78 6 (H253265-10)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/03/2025	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	06/03/2025	ND	222	111	200	1.57	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	213	107	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *86.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 14 0-4 (H253265-11)

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	06/02/2025	ND	1.95	97.4	2.00	3.20	
Toluene*	<0.050	0.050	06/02/2025	ND	1.97	98.5	2.00	3.30	
Ethylbenzene*	<0.050	0.050	06/02/2025	ND	1.96	98.0	2.00	3.02	
Total Xylenes*	<0.150	0.150	06/02/2025	ND	6.06	101	6.00	3.00	
Total BTEX	<0.300	0.300	06/02/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/03/2025	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	06/03/2025	ND	222	111	200	1.57	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	213	107	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane *85.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 367 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H653265																		
1	FS115	3	C	1			✓					✓		5-30-25	930	✓	✓	✓
2	FS121														940			
3	FS 122														945			
4	FS 123														950			
5	FS 124														1020			
6	FS 125	3													1025			
7	FS 73	5													1030			
8	FS 74	6													1035			
9	FS 77	6													1125			
10	FS78	6	C	1			✓					✓		5-30-25	1130	✓	✓	✓

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.

Relinquished By:	**Date:** 6.2.25	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1150		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		**REMARKS:** NAPP2505952408 BMolander JBroom CWalker CRosendo
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.2 Corrected Temp. °C 1.5	**Sample Condition** Cool: Yes / Intact: Yes	**CHECKED BY: (Initials)**
			Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 #140 Correction Factor -0.5°C 70.3°
			Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 368 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H25332 05 11	SW14	0-4	C	1			✓					✓		5.30.25	1350	✓	✓	✓

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.

Relinquished By: Evan Roe	**Date:** 6-2-25 **Time:** 1150	**Received By:** Tamara Oldaker	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.2 Corrected Temp. °C 1.5	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY:** (Initials) TB

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**
All Results are emailed. Please provide Email address: : jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS:
NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113 #140
Correction Factor -0.5°C +0.3°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 09, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/03/25 11:35.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 106 3' (H253288-01)

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	06/04/2025	ND	2.08	104	2.00	1.21	
Toluene*	<0.050	0.050	06/04/2025	ND	2.10	105	2.00	1.23	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.07	104	2.00	1.08	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	103	6.00	1.04	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/03/2025	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	06/04/2025	ND	212	106	200	0.341	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	187	93.3	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *89.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 107 4' (H253288-02)

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	06/04/2025	ND	2.08	104	2.00	1.21	
Toluene*	<0.050	0.050	06/04/2025	ND	2.10	105	2.00	1.23	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.07	104	2.00	1.08	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	103	6.00	1.04	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/03/2025	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	06/04/2025	ND	212	106	200	0.341	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	187	93.3	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *91.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 113 3' (H253288-03)

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	06/04/2025	ND	2.08	104	2.00	1.21	
Toluene*	<0.050	0.050	06/04/2025	ND	2.10	105	2.00	1.23	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.07	104	2.00	1.08	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	103	6.00	1.04	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/03/2025	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	06/04/2025	ND	212	106	200	0.341	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	187	93.3	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *92.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 126 7' (H253288-04)

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	06/04/2025	ND	2.08	104	2.00	1.21	
Toluene*	<0.050	0.050	06/04/2025	ND	2.10	105	2.00	1.23	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.07	104	2.00	1.08	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	103	6.00	1.04	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/03/2025	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	06/04/2025	ND	212	106	200	0.341	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	187	93.3	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *86.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 127 7' (H253288-05)

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	06/04/2025	ND	2.08	104	2.00	1.21	
Toluene*	<0.050	0.050	06/04/2025	ND	2.10	105	2.00	1.23	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.07	104	2.00	1.08	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	103	6.00	1.04	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	06/03/2025	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	06/04/2025	ND	212	106	200	0.341	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	187	93.3	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *94.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 376 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: 432-296-0627 Fax #:
Project #: 03C2284006 Project Owner: New Wave
Project Name: MOC Old Indian
Project Location: 32.3978530, -104.1417240
Sampler Name: Evan Roe

BILL TO

P.O. #:
Company: Ensolum LLC
Attn: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland
State: NM Zip: 79701
Phone #: 432-296-0627
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253288 1	FS106	3	C	1			✓					✓		6-2-25	950	✓	✓	✓
2	FS107	4													955			
3	FS113	3													1300			
4	FS126	7													1000			
5	FS127	7	C	1			✓					✓		6-2-25	1005	✓	✓	✓

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.

Relinquished By: Date: 6-3-25 Time: 1135 Received By:
Relinquished By: Date: Time: Received By:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 3.1 Corrected Temp. °C 3.4
Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No
CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
REMARKS:
NAPP2505952408 BMolander JBroom CWalker CRosendo
Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113 #140 Correction Factor -0.5°C +0.3°
Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 10, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/04/25 9:10.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 128 3' (H253325-01)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *78.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 129 3' (H253325-02)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *77.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 130 3' (H253325-03)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *77.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 131 3' (H253325-04)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *74.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 132 3' (H253325-05)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *88.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 133 3' (H253325-06)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *90.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 134 5' (H253325-07)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *75.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 11 5' (H253325-08)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *85.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 108 5' (H253325-09)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *91.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 109 5' (H253325-10)

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	06/04/2025	ND	2.10	105	2.00	0.888	
Toluene*	<0.050	0.050	06/04/2025	ND	2.21	111	2.00	0.371	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.05	102	2.00	0.0356	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.15	102	6.00	0.319	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *82.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 110 5' (H253325-11)

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *81.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 111 5' (H253325-12)

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *89.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 21 0-8.5' (H253325-13)

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *80.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 22 0-8.5' (H253325-14)

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTEX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/04/2025	ND	400	100	400	3.92	

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	06/04/2025	ND	222	111	200	0.526	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	213	107	200	0.763	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 393 of 1704

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**		
Project Manager: Jeremy Reich	**P.O. #:**		
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC		
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich		
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400		
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland		
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701		
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627		
Sampler Name: Evan Roe	**Fax #:**		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253325																		
1	FS128	3	C	1			✓					✓		6-3-25	850	✓	✓	✓
2	FS129	3													855			
3	FS130	3													900			
4	FS131	3													905			
5	FS132	3													1240			
6	FS133	3													1245			
7	FS134	3													1250			
8	~~FS137~~ SW11	0-5													1405			
9	FS108	5													1330			
10	FS109	5	C	1			✓					✓		6-3-25	1335	✓	✓	✓

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.

Relinquished By:	**Date:** 6.4.25	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 910		**All Results are emailed. Please provide Email address:** jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		**REMARKS:** NAPP2505952408 BMolander JBroom CWalker CRosendo

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.4 Corrected Temp. °C 3.7	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** AB	**Turnaround Time:** Standard ☑ Rush ☐ AB 6.4.25 Thermometer ID #113 #140 Correction Factor -0.6°C +0.3

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ Nc Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 394 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	BILL TO
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 Project Owner: New Wave	City: Midland
Project Name: MOC Old Indian	State: NM Zip: 79701
Project Location: 32.3978530, -104.1417240	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
#253335																		
11	FS11C	5	C	1			✓					✓		6-3-25	1350	✓	✓	✓
12	FS11I	5	"	"			"					"		"	1355	"	"	"
13	SW21	0-0.5	"	"			"					"		"	1030	"	"	"
14	SW22	0-0.5	C	1			✓					✓		6-3-25	940	✓	✓	✓

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 consequental 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.

Type text here

Relinquished By: Evan Roe	Date: 6.4.25 Time: 910	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com, BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.4 Corrected Temp. °C 3.7	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) AD	Turnaround Time: Standard ☑ Rush ☐ (AD 6.4.25) Thermometer ID #113 (#140) Correction Factor -0.5°C (3.2)

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 11, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/05/25 13:20.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 135 3' (H253364-01)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/06/2025	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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane *69.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 136 3' (H253364-02)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/06/2025	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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane *69.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 139 6' (H253364-03)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/06/2025	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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane *77.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 140 3' (H253364-04)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/06/2025	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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 141 3' (H253364-05)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/06/2025	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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane *67.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *61.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 138 3' (H253364-06)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	06/06/2025	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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 142 3' (H253364-07)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	06/06/2025	ND	400	100	400	14.8	

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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane *83.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 144 3' (H253364-08)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	06/06/2025	ND	400	100	400	14.8	

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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane *89.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 147 3' (H253364-09)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/06/2025	ND	400	100	400	14.8	

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	06/06/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane *87.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 137 6' (H253364-10)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/06/2025	ND	400	100	400	14.8	

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	06/06/2025	ND	212	106	200	0.820	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.3	200	0.575	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane *79.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 23 0-6' (H253364-11)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/06/2025	ND	400	100	400	14.8	

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	06/06/2025	ND	212	106	200	0.820	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.3	200	0.575	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane *86.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/05/2025	Sampling Date:	06/04/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 24 3-6' (H253364-12)

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	06/05/2025	ND	2.14	107	2.00	0.317	
Toluene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	0.810	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.11	106	2.00	0.855	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.27	105	6.00	0.852	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/06/2025	ND	400	100	400	14.8	

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	06/06/2025	ND	212	106	200	0.820	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.3	200	0.575	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 409 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 Project Owner: New Wave	City: Midland
Project Name: MOC Old Indian	State: NM Zip: 79701
Project Location: 32.3978530, -104.1417240	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H53364																		
1	FS135	3	C	1			✓					✓		6-4-25	1015	✓	✓	✓
2	FS136	3													1020			
3	FS139	3													1045			
4	FS140	3													1048			
5	FS141	3													1052			
6	FS138	3													1219			
7	FS142	3													1222			
8	FS144	3													1228			
9	FS147	3													1315			
10	FS137	6	C	1			✓					✓		6-4-25	1240	✓	✓	✓

ANALYSIS REQUEST

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.

Relinquished By:	Date: 6-5-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1320	SRodriguez	All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	BBeill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

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

Observed Temp. °C -0.9 Corrected Temp. °C -0.6

Sample Condition: Cool ☐ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: #140 Standard ☑ Rush ☐

Thermometer ID #113 Correction Factor .05°C +0.3

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 410 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H253364																		
11	SW23	0-6	C	1			✓					✓		6-4-25	1355	✓	✓	✓
12	SW24	3-6	C	1			✓					✓		6-4-25	1400	✓	✓	✓

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.

Relinquished By: Evan R	**Date:** 6-5-25 **Time:** 1320	**Received By:** S Rodriguez	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**All Results are emailed. Please provide Email address:** jreich@ensolum.com, BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.9 Corrected Temp. °C 0.6	**Sample Condition** Cool: Yes / No Intact: Yes / No	**CHECKED BY: (Initials)** SR	**Turnaround Time:** Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor 0.5°C +0.3

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 12, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/09/25 12:20.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 1.5 3' (H253420-01)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	06/09/2025	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	06/09/2025	ND	185	92.4	200	1.46	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	209	105	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *79.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 2.5 3' (H253420-02)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/09/2025	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	06/09/2025	ND	185	92.4	200	1.46	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	209	105	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *82.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 3.5 3' (H253420-03)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/09/2025	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	06/09/2025	ND	185	92.4	200	1.46	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	209	105	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *76.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 4.5 3' (H253420-04)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/09/2025	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	06/09/2025	ND	185	92.4	200	1.46	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	209	105	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *87.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 5.5 3' (H253420-05)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/09/2025	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	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *71.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 6.5 5' (H253420-06)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/09/2025	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	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *72.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 7.5 5' (H253420-07)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/09/2025	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	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *83.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 8.5 3' (H253420-08)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	06/09/2025	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	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *85.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 9.5 8' (H253420-09)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/09/2025	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	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *68.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 10.5 5' (H253420-10)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/09/2025	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	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *70.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 11.5 3' (H253420-11)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *71.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 12.5 5' (H253420-12)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *72.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 13.5 4' (H253420-13)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *65.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 14.5 4' (H253420-14)

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	06/09/2025	ND	1.92	96.2	2.00	10.6	
Toluene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.75	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.01	100	2.00	8.77	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.18	103	6.00	7.66	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *72.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 15.5 5' (H253420-15)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *78.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 16.5 5' (H253420-16)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *69.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 17.5 6' (H253420-17)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *69.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 18.5 3' (H253420-18)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *72.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 19.5 3' (H253420-19)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *71.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 20.5 3' (H253420-20)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *65.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 21.5 4' (H253420-21)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *76.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 22.5 3' (H253420-22)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *73.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 23.5 3' (H253420-23)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *77.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 24.5 3' (H253420-24)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	207	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	0.485	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *72.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 25.5 3' (H253420-25)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *87.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 26.5 8' (H253420-26)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *96.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 27.5 8' (H253420-27)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *92.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 28.5 6' (H253420-28)

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	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**928**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 29.5 6' (H253420-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *78.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 30.5 3' (H253420-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/09/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *85.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 31.5 3' (H253420-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *85.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 32.5 4' (H253420-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *77.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 33.5 4' (H253420-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *82.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 34.5 4' (H253420-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	1.98	99.1	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2025	ND	2.02	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.98	98.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	5.81	96.9	6.00	1.52	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 35.5 4' (H253420-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 36.5 4' (H253420-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 37.5 4' (H253420-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 38.5 4' (H253420-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *99.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 39.5 4' (H253420-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 40.5 8' (H253420-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 41.5 6' (H253420-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 42.5 4' (H253420-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *107 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 44.5 4' (H253420-43)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 45.5 4' (H253420-44)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/09/2025	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	06/09/2025	ND	210	105	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	202	101	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 46.5 4' (H253420-45)

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	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	06/09/2025	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	06/09/2025	ND	189	94.6	200	0.0597	QR-03
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	QR-03
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *80.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 47.5 4' (H253420-46)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/09/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *85.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 48.5 4' (H253420-47)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/09/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *89.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 49.5 4' (H253420-48)

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	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/09/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *88.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 50.5 4' (H253420-49)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	06/09/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *69.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 462 of 1704

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 5

Company Name: Ensolum, LLC		**BILL TO**	
Project Manager: Jeremy Reich		**P.O. #:**	
Address: 601 N Marienfeld Street, Suite 400		**Company:** Ensolum LLC	
City: Midland	**State:** TX **Zip:** 79701	**Attn:** Jeremy Reich	
Phone #: 432-296-0627	**Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400	
Project #: 03C2284006	**Project Owner:** New Wave	**City:** Midland	
Project Name: MOC Old Indian		**State:** NM **Zip:** 79701	
Project Location: 32.3978530, -104.1417240		**Phone #:** 432-296-0627	
Sampler Name: Evan Roe		**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253420																		
1	FS 1.5	3	C	1			✓					✓		6-9-25	1030	✓	✓	✓
2	FS 2.5	3													1250			
3	FS 3.5	3													1005			
4	FS 4.5	3													1035			
5	FS 5.5	3													1090			
6	FS 6.5	3													1000			
7	FS 7.5	3													920			
8	FS 8.5	3													1005			
9	FS 9.5	3													1010			
10	FS 10.5	5	C	1			✓					✓		6-9-25	925	✓	✓	✓

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.

Relinquished By: Evan Roe	**Date:** 6-9-25 **Time:** 1230	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**All Results are emailed. Please provide Email address:** jreich@ensolum.com, BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.3 Corrected Temp. °C 2.5	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐ **Thermometer ID** #113 #140 **Correction Factor** -0.5°C +0.3°

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ Nc Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D. H253420	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
11	FS 11.5	3	C	1			✓					✓		6-9-25	930	✓	✓	✓
12	FS 12.5	5													1010			
13	FS 13.5	4													1015			
14	FS 14.5	4													935			
15	FS 15.5	5													915			
16	FS 16.5	5													920			
17	FS 17.5	6													925			
18	FS 18.5	3													1255			
19	FS 19.5	3													1300			
20	FS 20.5	3	C	1			✓					✓		6-9-25	1305	✓	✓	✓

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.

Relinquished By:	**Date:** 6-9-25 **Time:** 1320	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	**Date:** **Time:**	**Received By:**	All Results are emailed. Please provide Email address: jreich@ensolum.com BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
			REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 22 Corrected Temp. °C 0.5	**Sample Condition** Cool: Yes Intact: Yes / No	**CHECKED BY: (Initials)**
			Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 #140 Correction Factor -0.5°C +0.5c
			Bacteria (only) Sample Condition Cool: Yes Intact: Yes / No **Observed Temp. °C** **Corrected Temp. °C**

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 464 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H253420																		
21	FS 21.5	4	C	1			✓					✓		6-25	910	✓	✓	✓
22	FS 22.5	3													825			
23	FS 23.5	3													830			
24	FS 24.5	3													835			
25	FS 25.5	3													840			
26	FS 26.5	8													1015			
27	FS 27.5	8													1020			
28	FS 28.5	6													1045			
29	FS 29.5	6													1030			
30	FS 30.5	3	C	1			✓					✓		6-25	1035	✓	✓	✓

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.

Relinquished By: Evan R	**Date:** 6-9-25 **Time:** 1220	**Received By:** Tamara Oldaker	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 22 Corrected Temp. °C 21.5	**Sample Condition** Cool: Yes / No Intact: Yes / No	**CHECKED BY:** (Initials)

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**
All Results are emailed. Please provide Email address: jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113 Correction Factor -0.5°C #140 +0.3°
Bacteria (only) Sample Condition Cool: Yes / No Intact: Yes / No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 465 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** Ensolum LLC
City: Midland **State:** TX **Zip:** 79701	**Attn:** Jeremy Reich
Phone #: 432-296-0627 **Fax #:**	**Address:** 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 **Project Owner:** New Wave	**City:** Midland
Project Name: MOC Old Indian	**State:** NM **Zip:** 79701
Project Location: 32.3978530, -104.1417240	**Phone #:** 432-296-0627
Sampler Name: Evan Roe	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H253420																		
31	FS 31.5	3	C	1			✓					✓		6-9-25	1040	✓	✓	✓
32	FS 32.5	4													1045			
33	FS 33.5	4													1050			
34	FS 34.5	4													1055			
35	FS 35.5	4													1100			
36	FS 36.5	4													1105			
37	FS 37.5	4													1205			
38	FS 38.5	4													1240			
39	FS 39.5	4													1295			
40	FS 40.5	8	C	1			✓					✓		6-9-25	1040	✓	✓	✓

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.

Relinquished By: Evan Roe	**Date:** 6-9-25 **Time:** 1220	**Received By:** Tamara Oldaker	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**All Results are emailed. Please provide Email address:** jreich@ensolum.com BBeill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

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

Observed Temp. °C 22 Corrected Temp. °C 2.5

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TB

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113 Correction Factor -0.5°C

#140 +0.3c 6/9/25

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 466 of 1704

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name: Ensolum, LLC		BILL TO	
Project Manager: Jeremy Reich		P.O. #:	
Address: 601 N Marienfeld Street, Suite 400		Company: Ensolum LLC	
City: Midland	State: TX Zip: 79701	Attn: Jeremy Reich	
Phone #: 432-296-0627	Fax #:	Address: 601 N Marienfeld Street, Suite 400	
Project #: 03C2284006	Project Owner: New Wave	City: Midland	
Project Name: MOC Old Indian		State: NM Zip: 79701	
Project Location: 32.3978530, -104.1417240		Phone #: 432-296-0627	
Sampler Name: Evan Roe		Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	BTEX 8021	Chloride 4500
H253420																		
41	FS 41.5	6	C	1			✓					✓		6-9-25	1220	✓	✓	✓
42	FS 42.5	4													1225			
43	FS 43.5														1220			
44	FS 44.5														1225			
45	FS 46.5														1230			
46	FS 47.5														1235			
47	FS 48.5														1235			
48	FS 49.5														1230			
49	FS 50.5	4	C	1			✓					✓		6-9-25	1310	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 6-9-25 Time: 1320	Received By: Tamara Oldaker	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
			REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.2 Corrected Temp. °C 2.5	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)
			Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.3°C #140 +0.3°
			Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 12, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/09/25 12:20.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 43.5 4' (H253421-01)

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	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/09/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *93.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 51.5 4' (H253421-02)

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	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *87.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 52.5 5' (H253421-03)

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	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *100 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 53.5 4' (H253421-04)

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	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *98.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 54.5 4' (H253421-05)

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	06/09/2025	ND	2.09	104	2.00	1.68	
Toluene*	<0.050	0.050	06/09/2025	ND	2.00	100	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	1.99	99.7	2.00	1.62	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.14	102	6.00	1.50	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 55.5 4' (H253421-06)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 56.5 4' (H253421-07)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *91.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 57.5 4' (H253421-08)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *95.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 58.5 4' (H253421-09)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *99.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 59.5 4' (H253421-10)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *91.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 60.5 4' (H253421-11)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *95.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 61.5 4' (H253421-12)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 62.5 4' (H253421-13)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 63.5 4' (H253421-14)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 64.5 4' (H253421-15)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/10/2025	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	06/09/2025	ND	189	94.6	200	0.0597	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	206	103	200	0.372	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *91.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 65.5 4' (H253421-16)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 66.5 4' (H253421-17)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *87.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 67.5 4' (H253421-18)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *129 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 68.5 4' (H253421-19)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *97.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 69.5 4' (H253421-20)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *95.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 70.5 4' (H253421-21)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *89.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 71.5 4' (H253421-22)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *91.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 72.5 4' (H253421-23)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *92.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 73.5 5' (H253421-24)

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTEX	<0.300	0.300	06/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2025	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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane *92.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name: Ensolum, LLC
Project Manager: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: 432-296-0627 Fax #:
Project #: 03C2284006 Project Owner: New Wave
Project Name: MOC Old Indian
Project Location: 32.3978530, -104.1417240
Sampler Name: Evan Roe

BILL TO

P.O. #:
Company: Ensolum LLC
Attn: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland
State: NM Zip: 79701
Phone #: 432-296-0627
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253421																		
1	FS43.5	4	C	1			✓					✓		6-6-25	910	✓	✓	✓
2	FS51.5	4													845			
3	FS52.5	5													850			
4	FS53.5	4													855			
5	FS54.5														900			
6	FS55.5														915			
7	FS56.5														920			
8	FS57.5														925			
9	FS58.5	4													955			
10	FS59.5	4	C	1			✓					✓		6-6-25	1000	✓	✓	✓

Type text here

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.

Relinquished By: Date: 6-9-25 Time: 1230 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: : jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com

REMARKS:
NAPP2505952408 BMolander JBroom CWalker CRosendo

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 22
Corrected Temp. °C 8.5
Sample Condition: Cool ☑ Yes Intact ☑ Yes ☐ No ☐ No
CHECKED BY: (Initials)

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.5C
#146 +0.3°
Bacteria (only) Sample Condition: Cool ☐ Yes Intact ☐ Yes ☐ No ☐ No
Observed Temp. °C
Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: Ensolum, LLC	BILL TO
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 Project Owner: New Wave	City: Midland
Project Name: MOC Old Indian	State: NM Zip: 79701
Project Location: 32.3978530, -104.1417240	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253421																		
11	FS60.5	4	C	1			✓					✓		6-6-25	1005	✓	✓	✓
12	FS61.5														1010			
13	FS62.5														1025			
14	FS63.5														~~1030~~ 12			
15	FS64.5														1035			
16	FS65.5														1040			
17	FS66.5														1095			
18	FS67.5														1050			
19	FS68.5														1055			
20	FS69.5	4	C	1			✓					✓		6-6-25	1100	✓	✓	✓

Type text here

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.

Relinquished By: Evan Roe	Date: 6.9.25 Time: 1320	Received By: Tamara Oldaker	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 22 Corrected Temp. °C 2.5	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)

REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

Turnaround Time: Standard ☑ Rush ☐ Bacteria (only) Sample Condition Cool ☐ Yes ☐ Nc Intact ☐ Yes ☐ No Observed Temp. °C

Thermometer ID #113 #140 Correction Factor -0.5°C +0.3° Corrected Temp. °C

6/10/25

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284006 Project Owner: New Wave	City: Midland
Project Name: MOC Old Indian	State: NM Zip: 79701
Project Location: 32.3978530, -104.1417240	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H253421																		
21	FS 72.5	4	C	1			✓					✓		6-6-25	1205	✓	✓	✓
22	FS 71.5	4	"	"			"					"		"	1210	"	"	"
23	FS 72.5	4	C	1			✓					✓		6-6-25	1215	✓	✓	✓
24	FS 73.5	5	C	1			✓							6-6-25	1220	✓	✓	✓

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.

Relinquished By:	Date: 6-9-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1220		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
	Time:		REMARKS: NAPP2505952408 BMolander JBroom CWalker CRosendo

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

Observed Temp. °C 2.2 Corrected Temp. °C 2.5

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113 Correction Factor -0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

Observed Temp. °C #1 @ 10:30 #2 @ 6/9/25 Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 18, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/12/25 13:50.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 74.5 - 8' (H253494-01)

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	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *74.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 75.5 - 8' (H253494-02)

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	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *89.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 76.5 - 8' (H253494-03)

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	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *88.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 77.5 - 8' (H253494-04)

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	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 78.5 - 8' (H253494-05)

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	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *88.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 79.5 - 4' (H253494-06)

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	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *79.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 80.5 - 4' (H253494-07)

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	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *88.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 81.5 - 4' (H253494-08)

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	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *92.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 82.5 - 4' (H253494-09)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *97.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 83.5 - 4' (H253494-10)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *77.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 84.5 - 4' (H253494-11)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *83.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 85.5 - 4' (H253494-12)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *71.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 87.5 - 4' (H253494-13)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *82.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 88.5 - 4' (H253494-14)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *74.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 89.5 - 4' (H253494-15)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *85.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 90.5 - 4' (H253494-16)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *79.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 91.5 - 4' (H253494-17)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *71.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 92.5 - 4' (H253494-18)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *72.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 93.5 - 4' (H253494-19)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *79.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 94.5 - 4' (H253494-20)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	215	107	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	200	100	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *74.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 95.5 - 4' (H253494-21)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *71.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 96.5 - 4' (H253494-22)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *87.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 97.5 - 4' (H253494-23)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *86.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 98.5 - 4' (H253494-24)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *78.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 99.5 - 4' (H253494-25)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *88.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 100.5 - 4' (H253494-26)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *97.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 524 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Bowan Simmons and Trevor Wargo

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253494																	
1	FS74.5 - 8'	C	1			X					X		6/9/25	11:17			
2	FS75.5 - 8'	C	1			X					X			11:19			
3	FS76.5 - 8'	C	1			X					X			11:21			
4	FS77.5 - 8'	C	1			X					X			11:22			
5	FS78.5 - 8'	C	1			X					X			11:25			
6	FS79.5 - 4'	C	1			X					X			11:34			
7	FS80.5 - 4'	C	1			X					X			11:39			
8	FS81.5 - 4'	C	1			X					X			11:44			
9	FS82.5 - 4'	C	1			X					X			11:49			
10	FS83.5 - 4'	C	1			X					X			11:55			

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.

Relinquished By:	Date: 6-12-25	Received By:	
	Time: 1350		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☐ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.4			

Turnaround Time: 72 HR. Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/12/25

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 525 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Bowan Simmons and Trevor Wargo

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25 3494											✓						
11	FS84.5 - 4'	C	1			\					\		6/9/25	12:02			
12	FS85.5 - 4'	C	1			\					\			12:04			
13	FS87.5 - 4'	C	1			\					\			13:00			
14	FS88.5 - 4'	C	1			\					\			13:03			
15	FS89.5 - 4'	C	1			\					\			13:05			
16	FS90.5 - 4'	C	1			\					\			13:07			
17	FS91.5 - 4'	C	1			\					\			13:09			
18	FS92.5 - 4'	C	1			\					\			13:11			
19	FS93.5 - 4'	C	1			\					\			13:12			
20	FS94.5 - 4'	C	1			\					\			13:14			

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 consequental 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.

Relinquished By:	Date: 6-12-25	Received By:	
	Time: 1350		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.4			

FORM-006 R 3.6 02/12/25

Turnaround Time: 72 HR. Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 526 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Bowan Simmons and Trevor Wargo

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253494																	
21	FS95.5 - 4'	C	1			\					\		6/9/25	13:15			
22	FS96.5 - 4'	C	1			\					\			13:17			
23	FS97.5 - 4'	C	1			\					\			13:19			
24	FS98.5 - 4'	C	1			\					\			13:42			
25	FS99.5 - 4'	C	1			\					\			13:44			
26	FS100.5 - 4'	C	1			\					\			13:48			
			35														

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.

Relinquished By:	Date: 6-12-25	Received By:	
	Time: 1350		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.4			

Turnaround Time: 72 HR. Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/12/25

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 18, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/12/25 13:50.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 101.5 3' (H253495-01)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *94.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 102.5 3-4' (H253495-02)

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	06/13/2025	ND	2.09	104	2.00	19.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.17	108	2.00	21.3	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.20	110	2.00	22.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.60	110	6.00	21.5	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 103.5 4' (H253495-03)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 104.5 3' (H253495-04)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *81.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 105.5 3' (H253495-05)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *76.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 106.5 3' (H253495-06)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 107.5 4' (H253495-07)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *74.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 108.5 5' (H253495-08)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 109.5 5' (H253495-09)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *97.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 110.5 5' (H253495-10)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *96.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 111.5 5' (H253495-11)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 112.5 3' (H253495-12)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 113.5 3' (H253495-13)

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	06/13/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/13/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 114.5 3' (H253495-14)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	218	109	200	2.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	210	105	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *96.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 115.5 3' (H253495-15)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 116.5 3' (H253495-16)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *81.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 117.5 3' (H253495-17)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *85.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 118.5 3' (H253495-18)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *89.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 119.5 3' (H253495-19)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *93.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 120.5 3' (H253495-20)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *89.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 121.5 3' (H253495-21)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *89.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 122.5 3' (H253495-22)

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	06/14/2025	ND	2.29	115	2.00	0.125	
Toluene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.46	108	6.00	0.853	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 123.5 3' (H253495-23)

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	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *85.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 124.5 3' (H253495-24)

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	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *72.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 125.5 3' (H253495-25)

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	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *78.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 126.5 7' (H253495-26)

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	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 127.5 7' (H253495-27)

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	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *92.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 128.5 3' (H253495-28)

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	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *95.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 129.5 3' (H253495-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *97.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 130.5 3' (H253495-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *97.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 131.5 3' (H253495-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *92.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 132.5 3' (H253495-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *92.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 133.5 3' (H253495-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 134.5 5' (H253495-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/13/2025	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	06/13/2025	ND	195	97.4	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	212	106	200	0.175	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *70.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 135.5 3' (H253495-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *84.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 136.5 3' (H253495-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *78.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 137.5 6' (H253495-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *83.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 138.5 3' (H253495-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *81.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 139.5 6' (H253495-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *75.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 140.5 3' (H253495-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *84.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 141.5 3' (H253495-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *70.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *63.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 86.5 8.5' (H253495-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	2.04	102	2.00	4.87	
Toluene*	<0.050	0.050	06/13/2025	ND	2.00	99.8	2.00	0.478	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.97	98.3	2.00	3.51	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	6.07	101	6.00	5.50	
Total BTEX	<0.300	0.300	06/13/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *83.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 571 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	ft Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253495-1	FS 101 .5	3	C	1			✓					✓		6-10-25	845	✓	✓	✓
-2	FS 102 .5	3-4													850			
-3	FS 103 .5	4													855			
-4	FS 104 .5	3													900			
-5	FS 105 .5	3													905			
-6	FS 106 .5	3													940			
-7	FS 107 .5	4													945			
-8	FS 108 .5	5													950			
-9	FS 109 .5	5													955			
-10	FS 110 .5	5	C	1			✓					✓		6-10-25	1010	✓	✓	✓

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.

Relinquished By:	Date: 6-12-25	Received By:	
	Time: 1350		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 4.1
Corrected Temp. °C 4.4

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) JD

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 572 of 1704

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth ft	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253495																		
11	FS 111 .5	5	C	1			✓					✓		6-10-25	1015	✓	✓	✓
12	FS 112 .5	3	C	1			✓					✓			1030			
13	FS 113 .5	3	C	1			✓					✓			1045			
14	FS 114 .5														1040			
15	FS 115 .5														1035			
16	FS 116 .5														944			
17	FS 117 .5														940			
18	FS 118 .5														950			
19	FS 119 .5														955			
20	FS 120 .5	3	C	1			✓					✓		6-10-25	940	✓	✓	✓

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.

Relinquished By:	Date: 6-12-25	Received By:	
Relinquished By:	Time: 1350	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

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

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 4.1
Corrected Temp. °C 4.4

Sample Condition
Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 573 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth Ft	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253495																		
21	FS 121 .5	3	G	1			✓					✓		6-10-25	1120	✓	✓	✓
22	FS 122 .5	1													1125			
23	FS 123 .5	1													1130			
24	FS 124 .5	1													1135			
25	FS 125 .5	3													1005			
26	FS 126 .5	2													1010			
27	FS 127 .5	2													1015			
28	FS 128 .5	3													1140			
29	FS 129 .5	3													1145			
30	FS 130 .5	3	C	1			✓					✓		6-10-25	1305	✓	✓	✓

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.

Relinquished By:	Date: 6-12-25	Received By:	
	Time: 1350		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.4			

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.6 02/12/25

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 574 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth ft	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253495																		
31	FS 131 .5	3	C	1			✓					✓		6-10-25	1050	✓	✓	✓
32	FS 132 .5	3													1155			
33	FS 133 .5	3													1200			
34	FS 134 .5	5													1205			
35	FS 135 .5	3													1310			
36	FS 136 .5	3													1045			
37	FS 137 .5	6													1020			
38	FS 138 .5	3													1050			
39	FS 139 .5	6													1025			
40	FS 140 .5	3	C	1			✓					✓		6-10-25	1055	✓	✓	✓

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.

Relinquished By:	Date: 6-12-25	Received By:	
	Time: 1350		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.4			

FORM-006 R 3.6 02/12/25

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 575 of 1704

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		Depth Ft	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253495 41	FS	141 .5	3	C	1			✓					✓		6-10-25	1100	✓	✓	✓
42	FS	86 .5	8.5	C	1			✓					✓		6-10-25	1300	✓	✓	✓

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.

Relinquished By:	Date: 6-12-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1350		All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	Date:	Received By:	bhorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.4			Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

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

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

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

June 18, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/12/25 13:50.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 143 5 (H253496-01)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *75.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 145 5 (H253496-02)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *79.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 146 5 (H253496-03)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *86.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 148 3 (H253496-04)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**752**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *86.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 149 3 (H253496-05)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *81.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 150 3 (H253496-06)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *88.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 152 3 (H253496-07)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *91.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 153 3 (H253496-08)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *71.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 155 3 (H253496-09)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *83.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 156 3 (H253496-10)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *86.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 157 3 (H253496-11)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *78.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 158 3 (H253496-12)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**976**	16.0	06/13/2025	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	06/13/2025	ND	181	90.5	200	9.03	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	99.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *82.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 159 3 (H253496-13)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *98.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 160 3 (H253496-14)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *91.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 161 3 (H253496-15)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *89.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 162 3 (H253496-16)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *86.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 163 3 (H253496-17)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *87.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 164 3 (H253496-18)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1760**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *89.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 165 3 (H253496-19)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *90.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 166 3 (H253496-20)

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	06/14/2025	ND	2.28	114	2.00	0.249	
Toluene*	<0.050	0.050	06/14/2025	ND	2.15	107	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.18	109	2.00	4.03	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.74	112	6.00	4.75	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *88.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 167 3 (H253496-21)

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	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1010**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *80.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 168 3 (H253496-22)

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	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *82.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 169 3 (H253496-23)

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	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *90.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 170 3 (H253496-24)

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	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *87.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 171 3 (H253496-25)

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	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *91.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 172 3 (H253496-26)

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	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *89.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 173 3 (H253496-27)

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	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *96.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 174 3 (H253496-28)

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	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 175 3 (H253496-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *91.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 176 3 (H253496-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 177 3 (H253496-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *88.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 178 3 (H253496-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/13/2025	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	06/13/2025	ND	216	108	200	5.83	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	211	106	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *81.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 179 3 (H253496-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-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	06/16/2025	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	06/13/2025	ND	203	102	200	4.77	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	98.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *108 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 180 3 (H253496-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/16/2025	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	06/13/2025	ND	203	102	200	4.77	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	98.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 182 3 (H253496-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-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	06/16/2025	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	06/13/2025	ND	203	102	200	4.77	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	98.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *109 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 183 3 (H253496-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/16/2025	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	06/13/2025	ND	203	102	200	4.77	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	98.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 184 3 (H253496-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/16/2025	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	06/13/2025	ND	203	102	200	4.77	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	98.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *98.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *100 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/12/2025	Sampling Date:	06/11/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 151 3 (H253496-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.38	
Toluene*	<0.050	0.050	06/14/2025	ND	2.09	104	2.00	3.51	
Ethylbenzene*	<0.050	0.050	06/14/2025	ND	2.08	104	2.00	4.18	
Total Xylenes*	<0.150	0.150	06/14/2025	ND	6.43	107	6.00	4.21	
Total BTEX	<0.300	0.300	06/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**864**	16.0	06/16/2025	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	06/13/2025	ND	203	102	200	4.77	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	198	98.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane *112 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *114 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 616 of 1704

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25314																		
1	FS 143	5	C	1			✓					✓		6/11/2025	1010	✓	✓	✓
2	FS 145	5	C	1			✓					✓		6/11/2025	1015	✓	✓	✓
3	FS 146	5	C	1			✓					✓		6/11/2025	1015	✓	✓	✓
4	FS 148	3	C	1			✓					✓		6/11/2025	1010	✓	✓	✓
5	FS 149	3	C	1			✓					✓		6/11/2025	1020	✓	✓	✓
6	FS 150	3	C	1			✓					✓		6/11/2025	1025	✓	✓	✓
7	FS 152	3	C	1			✓					✓		6/11/2025	1035	✓	✓	✓
8	FS 153	3	C	1			✓					✓		6/11/2025	1110	✓	✓	✓
9	FS 155	3	C	1			✓					✓		6/11/2025	1045	✓	✓	✓
10	FS 156	3	C	1			✓					✓		6/11/2025	1120	✓	✓	✓

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.

Relinquished By:	Date: 6-12-25	Received By:	
Evan R	Time: 1350		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 4.1
Corrected Temp. °C 4.4

Sample Condition
Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TB

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 617 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253498 6														6/12/25				
11	FS 157	3	C	1			✓					✓		6/11/2025	1130	✓	✓	✓
12	FS 158	3	C	1			✓					✓		6/11/2025	1140	✓	✓	✓
13	FS 159	3	C	1			✓					✓		6/11/2025	1115	✓	✓	✓
14	FS 160	3	C	1			✓					✓		6/11/2025	1010	✓	✓	✓
15	FS 161	3	C	1			✓					✓		6/11/2025	1130	✓	✓	✓
16	FS 162	3	C	1			✓					✓		6/11/2025	1125	✓	✓	✓
17	FS 163	3	C	1			✓					✓		6/11/2025	940	✓	✓	✓
18	FS 164	3	C	1			✓					✓		6/11/2025	945	✓	✓	✓
19	FS 165	3	C	1			✓					✓		6/11/2025	950	✓	✓	✓
20	FS 166	3	C	1			✓					✓		6/11/2025	920	✓	✓	✓

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.

Relinquished By: Evan R	Date: 6-12-25 Time: 1350	Received By:	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C N.I
Corrected Temp. °C N.I

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) CP

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 618 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25 31496																		
21	FS 167	3	C	1			✓					✓		6/11/2025	955	✓	✓	✓
22	FS 168	3	C	1			✓					✓		6/11/2025	1000	✓	✓	✓
23	FS 169	3	C	1			✓					✓		6/11/2025	925	✓	✓	✓
24	FS 170	3	C	1			✓					✓		6/11/2025	930	✓	✓	✓
25	FS 171	3	C	1			✓					✓		6/11/2025	1000	✓	✓	✓
26	FS 172	3	C	1			✓					✓		6/11/2025	1005	✓	✓	✓
27	FS 173	3	C	1			✓					✓		6/11/2025	935	✓	✓	✓
28	FS 174	3	C	1			✓					✓		6/11/2025	940	✓	✓	✓
29	FS 175	3	C	1			✓					✓		6/11/2025	1320	✓	✓	✓
30	FS 176	3	C	1			✓					✓		6/11/2025	1335	✓	✓	✓

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.

Relinquished By:	Date: 6-12-25 Time: 1350	Received By:	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.1
Corrected Temp. °C 4.4

Sample Condition
Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 619 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500	
H253496																			
31	FS 177	3	C	1			✓					✓		6/11/2025	1340	✓	✓	✓	
32	FS 178	3	C	1			✓					✓		6/11/2025	1325	✓	✓	✓	
33	FS 179	3	C	1			✓					✓		6/11/2025	1400	✓	✓	✓	
34	FS 180	3	C	1			✓					✓		6/11/2025	1405	✓	✓	✓	
35	~~FS 181~~	3	C	1			✓					✓		~~6/11/2025~~	~~1410~~	✓	✓	✓	NO Sample Rec'd 6/12/25
36	FS 182	3	C	1			✓					✓		6/11/2025	1345	✓	✓	✓	
37	FS 183	3	C	1			✓					✓		6/11/2025	1350	✓	✓	✓	
38	FS 184	3	C	1			✓					✓		6/11/2025	1355	✓	✓	✓	
39	FS 151	3												6.11.25	1315	✓	✓	✓	Sample Added AP 6/12/25

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.

Relinquished By:	**Date:** 6.12.25 **Time:** 1350	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**All Results are emailed. Please provide Email address:** jreich@ensolum.com tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com **REMARKS:** NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	**Observed Temp. °C** 4.1 **Corrected Temp. °C** 4.4	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C	**Bacteria (only) Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 20, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/16/25 12:20.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 151 3 (H253563-01)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	06/17/2025	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	06/16/2025	ND	207	104	200	3.34	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	193	96.7	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *98.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 154 3 (H253563-02)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	06/17/2025	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	06/16/2025	ND	207	104	200	3.34	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	193	96.7	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *95.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 185 3 (H253563-03)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *71.5-134*

Chloride, SM4500Cl-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	06/17/2025	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	06/16/2025	ND	207	104	200	3.34	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	193	96.7	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 186 3 (H253563-04)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/17/2025	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	06/16/2025	ND	207	104	200	3.34	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	193	96.7	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 187 3 (H253563-05)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/17/2025	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	06/16/2025	ND	207	104	200	3.34	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	193	96.7	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 188 3 (H253563-06)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *71.5-134*

Chloride, SM4500Cl-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	06/17/2025	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	06/16/2025	ND	207	104	200	3.34	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	193	96.7	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 189 3 (H253563-07)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/17/2025	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	06/16/2025	ND	207	104	200	3.34	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	193	96.7	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 190 3 (H253563-08)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/17/2025	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	06/16/2025	ND	207	104	200	3.34	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	193	96.7	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 191 3 (H253563-09)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/17/2025	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	06/16/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *65.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *63.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 192 3 (H253563-10)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

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	06/17/2025	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	06/16/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *92.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 193 3 (H253563-11)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/17/2025	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	06/16/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *91.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 194 3 (H253563-12)

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	06/17/2025	ND	1.78	88.9	2.00	7.21	
Toluene*	<0.050	0.050	06/17/2025	ND	1.85	92.7	2.00	7.49	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.80	90.1	2.00	8.38	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.34	89.1	6.00	8.53	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/17/2025	ND	480	120	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	06/16/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 195 3 (H253563-13)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/17/2025	ND	480	120	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	06/16/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 196 3 (H253563-14)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *92.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 197 3 (H253563-15)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 198 3 (H253563-16)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 199 3 (H253563-17)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *93.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 200 3 (H253563-18)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *90.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 201 3 (H253563-19)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *75.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 202 3 (H253563-20)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *81.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 203 3 (H253563-21)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *92.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 204 3 (H253563-22)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *80.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 205 3 (H253563-23)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *88.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 206 3 (H253563-24)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *87.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 207 3 (H253563-25)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *85.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 208 3 (H253563-26)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *86.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 209 3 (H253563-27)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *94.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 210 3 (H253563-28)

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	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	222	111	200	3.68	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	204	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *80.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 213 3 (H253563-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 214 3 (H253563-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 215 3 (H253563-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/17/2025	ND	480	120	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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *80.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 219 3 (H253563-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.5	2.00	1.17	
Toluene*	<0.050	0.050	06/17/2025	ND	2.00	100	2.00	1.81	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.95	99.1	6.00	1.30	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *95.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 220 3 (H253563-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *96.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 224 3 (H253563-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *95.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 225 3 (H253563-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *98.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 229 3 (H253563-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 230 3 (H253563-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *94.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 231 3 (H253563-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *90.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 232 3 (H253563-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *95.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 233 3 (H253563-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *84.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 234 3 (H253563-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *81.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 235 3 (H253563-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *78.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 25 0-3 (H253563-43)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *93.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/12/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 26 0-3 (H253563-44)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/17/2025	ND	448	112	400	3.51	

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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 666 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253603-1	FS 151	3	C	1			✓					✓		6/12/2025	840	✓	✓	✓
-2	FS 154	3	C	1			✓					✓		6/12/2025	845	✓	✓	✓
-3	FS 185	3	C	1			✓					✓		6/12/2025	935	✓	✓	✓
-4	FS 186	3	C	1			✓					✓		6/12/2025	938	✓	✓	✓
-5	FS 187	3	C	1			✓					✓		6/12/2025	941	✓	✓	✓
-6	FS 188	3	C	1			✓					✓		6/12/2025	944	✓	✓	✓
-7	FS 189	3	C	1			✓					✓		6/12/2025	947	✓	✓	✓
-8	FS 190	3	C	1			✓					✓		6/12/2025	950	✓	✓	✓
-9	FS 191	3	C	1			✓					✓		6/12/2025	1014	✓	✓	✓
-10	FS 192	3	C	1			✓					✓		6/12/2025	1017	✓	✓	✓

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.

Relinquished By:	Date: 6.16.25 Time: 1200	Received By:	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C / Corrected Temp. °C 2.6 / 2.9	Sample Condition Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool: ☐ Yes ☐ No; Intact: ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 667 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25393																		
11	FS 193	3	C	1			✓					✓		6/12/2025	1020	✓	✓	✓
12	FS 194	3	C	1			✓					✓		6/12/2025	1023	✓	✓	✓
13	FS 195	3	C	1			✓					✓		6/12/2025	1026	✓	✓	✓
14	FS 196	3	C	1			✓					✓		6/12/2025	1030	✓	✓	✓
15	FS 197	3	C	1			✓					✓		6/12/2025	1033	✓	✓	✓
16	FS 198	3	C	1			✓					✓		6/12/2025	1036	✓	✓	✓
17	FS 199	3	C	1			✓					✓		6/12/2025	1039	✓	✓	✓
18	FS 200	3	C	1			✓					✓		6/12/2025	1042	✓	✓	✓
19	FS 201	3	C	1			✓					✓		6/12/2025	1045	✓	✓	✓
20	FS 202	3	C	1			✓					✓		6/12/2025	1051	✓	✓	✓

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.

Relinquished By:	Date: 6.16.25	Received By:	
Relinquished By:	Time: 1200	Received By:	
Delivered By: (Circle One)	Date:	Time:	
Sampler - UPS - Bus - Other:	Observed Temp. °C 26	Corrected Temp. °C 29	Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☐ No
FORM-006 R 3.6 02/12/25	CHECKED BY: (Initials)		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H05 35203																		
01	FS 203	3	C	1			✓					✓		6/12/2025	1054	✓	✓	✓
02	FS 204	3	C	1			✓					✓		6/12/2025	1057	✓	✓	✓
23	FS 205	3	C	1			✓					✓		6/12/2025	1100	✓	✓	✓
24	FS 206	3	C	1			✓					✓		6/12/2025	1103	✓	✓	✓
25	FS 207	3	C	1			✓					✓		6/12/2025	1106	✓	✓	✓
26	FS 208	3	C	1			✓					✓		6/12/2025	1109	✓	✓	✓
27	FS 209	3	C	1			✓					✓		6/12/2025	1112	✓	✓	✓
28	FS 210	3	C	1			✓					✓		6/12/2025	1115	✓	✓	✓
29	FS 213	3	C	1			✓					✓		6/12/2025	1315	✓	✓	✓
30	FS 214	3	C	1			✓					✓		6/12/2025	1318	✓	✓	✓

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.

Relinquished By:	Date: 6.16.25	Received By:	
Relinquished By:	Time: 1220	Received By:	
Delivered By: (Circle One)	Date:	Time:	
Sampler - UPS - Bus - Other:	Observed Temp. °C 2.6	Corrected Temp. °C 2.9	

Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials) AP

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 669 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253503																		
31	FS 215	3	C	1			✓					✓		6/12/2025	1321	✓	✓	✓
32	FS 219	3	C	1			✓					✓		6/12/2025	1324	✓	✓	✓
33	FS 220	3	C	1			✓					✓		6/12/2025	1327	✓	✓	✓
34	FS 224	3	C	1			✓					✓		6/12/2025	1330	✓	✓	✓
35	FS 225	3	C	1			✓					✓		6/12/2025	1336	✓	✓	✓
36	FS 229	3	C	1			✓					✓		6/12/2025	1339	✓	✓	✓
37	FS 230	3	C	1			✓					✓		6/12/2025	1342	✓	✓	✓
38	FS 231	3	C	1			✓					✓		6/12/2025	1345	✓	✓	✓
39	FS 232	3	C	1			✓					✓		6/12/2025	1348	✓	✓	✓
40	FS 233	3	C	1			✓					✓		6/12/2025	1414	✓	✓	✓

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.

Relinquished By:	Date: 6.16.25	Received By:	
Relinquished By:	Time: 1230	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.6	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) AP	Turnaround Time: ☐ Standard ☐ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.9				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 670 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253563																		
41	FS 234	3	C	1			✓					✓		6/12/2025	1417	✓	✓	✓
42	FS 235	3	C	1			✓					✓		6/12/2025	1420	✓	✓	✓
43	SW 25	0-3	C	1			✓					✓		6/12/2025	1440	✓	✓	✓
44	SW 26	0-3	C	1			✓					✓		6/12/2025	1445	✓	✓	✓

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.

Relinquished By:	Date: 6.12.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1220		All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 2.6C
Corrected Temp. °C 2.9

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) HA

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 23, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/16/25 12:20.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 151 3.5	H253563-01	Soil	12-Jun-25 08:40	16-Jun-25 12:20
FS 154 3	H253563-02	Soil	12-Jun-25 08:45	16-Jun-25 12:20
FS 185 3	H253563-03	Soil	12-Jun-25 09:35	16-Jun-25 12:20
FS 186 3	H253563-04	Soil	12-Jun-25 09:38	16-Jun-25 12:20
FS 187 3	H253563-05	Soil	12-Jun-25 09:41	16-Jun-25 12:20
FS 188 3	H253563-06	Soil	12-Jun-25 09:44	16-Jun-25 12:20
FS 189 3	H253563-07	Soil	12-Jun-25 09:47	16-Jun-25 12:20
FS 190 3	H253563-08	Soil	12-Jun-25 09:50	16-Jun-25 12:20
FS 191 3	H253563-09	Soil	12-Jun-25 10:14	16-Jun-25 12:20
FS 192 3	H253563-10	Soil	12-Jun-25 10:17	16-Jun-25 12:20
FS 193 3	H253563-11	Soil	12-Jun-25 10:20	16-Jun-25 12:20
FS 194 3	H253563-12	Soil	12-Jun-25 10:23	16-Jun-25 12:20
FS 195 3	H253563-13	Soil	12-Jun-25 10:26	16-Jun-25 12:20
FS 196 3	H253563-14	Soil	12-Jun-25 10:30	16-Jun-25 12:20
FS 197 3	H253563-15	Soil	12-Jun-25 10:33	16-Jun-25 12:20
FS 198 3	H253563-16	Soil	12-Jun-25 10:36	16-Jun-25 12:20
FS 199 3	H253563-17	Soil	12-Jun-25 10:39	16-Jun-25 12:20
FS 200 3	H253563-18	Soil	12-Jun-25 10:42	16-Jun-25 12:20
FS 201 3	H253563-19	Soil	12-Jun-25 10:45	16-Jun-25 12:20
FS 202 3	H253563-20	Soil	12-Jun-25 10:51	16-Jun-25 12:20
FS 203 3	H253563-21	Soil	12-Jun-25 10:54	16-Jun-25 12:20
FS 204 3	H253563-22	Soil	12-Jun-25 10:57	16-Jun-25 12:20
FS 205 3	H253563-23	Soil	12-Jun-25 11:00	16-Jun-25 12:20
FS 206 3	H253563-24	Soil	12-Jun-25 11:03	16-Jun-25 12:20
FS 207 3	H253563-25	Soil	12-Jun-25 11:06	16-Jun-25 12:20
FS 208 3	H253563-26	Soil	12-Jun-25 11:09	16-Jun-25 12:20
FS 209 3	H253563-27	Soil	12-Jun-25 11:12	16-Jun-25 12:20

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 210 3	H253563-28	Soil	12-Jun-25 11:15	16-Jun-25 12:20	
FS 213 3	H253563-29	Soil	12-Jun-25 13:15	16-Jun-25 12:20	
FS 214 3	H253563-30	Soil	12-Jun-25 13:18	16-Jun-25 12:20	
FS 215 3	H253563-31	Soil	12-Jun-25 13:21	16-Jun-25 12:20	
FS 219 3	H253563-32	Soil	12-Jun-25 13:24	16-Jun-25 12:20	
FS 220 3	H253563-33	Soil	12-Jun-25 13:27	16-Jun-25 12:20	
FS 224 3	H253563-34	Soil	12-Jun-25 13:30	16-Jun-25 12:20	
FS 225 3	H253563-35	Soil	12-Jun-25 13:36	16-Jun-25 12:20	
FS 229 3	H253563-36	Soil	12-Jun-25 13:39	16-Jun-25 12:20	
FS 230 3	H253563-37	Soil	12-Jun-25 13:42	16-Jun-25 12:20	
FS 231 3	H253563-38	Soil	12-Jun-25 13:45	16-Jun-25 12:20	
FS 232 3	H253563-39	Soil	12-Jun-25 13:48	16-Jun-25 12:20	
FS 233 3	H253563-40	Soil	12-Jun-25 14:14	16-Jun-25 12:20	
FS 234 3	H253563-41	Soil	12-Jun-25 14:17	16-Jun-25 12:20	
FS 235 3	H253563-42	Soil	12-Jun-25 14:20	16-Jun-25 12:20	
SW 25 0-3	H253563-43	Soil	12-Jun-25 14:40	16-Jun-25 12:20	
SW 26 0-3	H253563-44	Soil	12-Jun-25 14:45	16-Jun-25 12:20	

06/23/25 - Client changed the sample ID on -01 (see COC). This is the revised report and will replace the one sent on 06/20/25.

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 151 3.5

H253563-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**496**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.6 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*98.9 %*	*44.4-145*		*5061638*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.8 %*	*40.6-153*		*5061638*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 154 3

H253563-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**400**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*95.5 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.9 %*	*44.4-145*		*5061638*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.9 %*	*40.6-153*		*5061638*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 185 3

H253563-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.5 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*102 %*	*44.4-145*		*5061638*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*97.3 %*	*40.6-153*		*5061638*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 186 3

H253563-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.7 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*44.4-145*		*5061638*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*96.6 %*	*40.6-153*		*5061638*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 187 3

H253563-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*95.1 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*107 %*	*44.4-145*		*5061638*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*102 %*	*40.6-153*		*5061638*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 188 3

H253563-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.5 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*107 %*	*44.4-145*		*5061638*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*103 %*	*40.6-153*		*5061638*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 189 3

H253563-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.9 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*44.4-145*		*5061638*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*97.6 %*	*40.6-153*		*5061638*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 190 3

H253563-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.2 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061638	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*100 %*	*44.4-145*		*5061638*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.1 %*	*40.6-153*		*5061638*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 191 3

H253563-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.0 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*65.0 %*	*44.4-145*		*5061639*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*63.9 %*	*40.6-153*		*5061639*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 192 3

H253563-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.4 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*92.7 %*	*44.4-145*		*5061639*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*91.6 %*	*40.6-153*		*5061639*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 193 3

H253563-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5061703	KH	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.4 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*91.9 %*	*44.4-145*		*5061639*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*89.2 %*	*40.6-153*		*5061639*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 194 3

H253563-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061624	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.2 %*	*71.5-134*		*5061624*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*83.4 %*	*44.4-145*		*5061639*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*81.1 %*	*40.6-153*		*5061639*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 195 3

H253563-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	16-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*90.0 %*	*44.4-145*		*5061639*	MS	*16-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.7 %*	*40.6-153*		*5061639*	MS	*16-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 196 3

H253563-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**208**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*92.0 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*87.5 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 197 3

H253563-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.4 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.8 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 198 3

H253563-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.1 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.8 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 199 3

H253563-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*93.9 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*89.4 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 200 3

H253563-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*90.9 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.7 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 201 3

H253563-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*75.8 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*73.9 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 202 3

H253563-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*115 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*81.1 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.6 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 203 3

H253563-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*92.8 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*87.9 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 204 3

H253563-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*80.2 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*81.6 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 205 3

H253563-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*88.5 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.4 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 206 3

H253563-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**624**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.8 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.8 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 207 3

H253563-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*85.0 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.2 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 208 3

H253563-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*86.3 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*81.9 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 209 3

H253563-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*115 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*94.3 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.9 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 210 3

H253563-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061639	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*80.2 %*	*44.4-145*		*5061639*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.7 %*	*40.6-153*		*5061639*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 213 3

H253563-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.1 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 214 3

H253563-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.3 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 215 3

H253563-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	5061701	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*80.0 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.1 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 219 3

H253563-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061625	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*5061625*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.9 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.0 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 220 3

H253563-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*96.2 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*91.5 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 224 3

H253563-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.6 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.7 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 225 3

H253563-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*98.2 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.7 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 229 3

H253563-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*106 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*99.5 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 230 3

H253563-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*113 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*94.6 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.9 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 231 3

H253563-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*90.3 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.0 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 232 3

H253563-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.3 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*91.1 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 233 3

H253563-40 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*84.2 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*79.4 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 234 3

H253563-41 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**672**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*81.8 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.7 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

FS 235 3

H253563-42 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*78.1 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*74.0 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

SW 25 0-3

H253563-43 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*93.7 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.1 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

SW 26 0-3

H253563-44 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	5061702	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.7 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.0 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061701 - 1:4 DI Water										
Blank (5061701-BLK1)				Prepared & Analyzed: 17-Jun-25						
Chloride	ND	16.0	mg/kg							
LCS (5061701-BS1)				Prepared & Analyzed: 17-Jun-25						
Chloride	480	16.0	mg/kg	400		120	80-120			
LCS Dup (5061701-BSD1)				Prepared & Analyzed: 17-Jun-25						
Chloride	480	16.0	mg/kg	400		120	80-120	0.00	20	
Batch 5061702 - 1:4 DI Water										
Blank (5061702-BLK1)				Prepared & Analyzed: 17-Jun-25						
Chloride	ND	16.0	mg/kg							
LCS (5061702-BS1)				Prepared & Analyzed: 17-Jun-25						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (5061702-BSD1)				Prepared & Analyzed: 17-Jun-25						
Chloride	464	16.0	mg/kg	400		116	80-120	3.51	20	
Batch 5061703 - 1:4 DI Water										
Blank (5061703-BLK1)				Prepared & Analyzed: 17-Jun-25						
Chloride	ND	16.0	mg/kg							
LCS (5061703-BS1)				Prepared & Analyzed: 17-Jun-25						
Chloride	432	16.0	mg/kg	400		108	80-120			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061703 - 1:4 DI Water										
LCS Dup (5061703-BSD1)				Prepared & Analyzed: 17-Jun-25						
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061624 - Volatiles										
Blank (5061624-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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*		*94.3*	*71.5-134*			
LCS (5061624-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	1.78	0.050	mg/kg	2.00		88.9	76.3-129			
Toluene	1.85	0.050	mg/kg	2.00		92.7	84.1-129			
Ethylbenzene	1.80	0.050	mg/kg	2.00		90.1	80.1-133			
m,p-Xylene	3.55	0.100	mg/kg	4.00		88.8	81.4-134			
o-Xylene	1.79	0.050	mg/kg	2.00		89.5	81.4-133			
Total Xylenes	5.34	0.150	mg/kg	6.00		89.1	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0463*		mg/kg	*0.0500*		*92.6*	*71.5-134*			
LCS Dup (5061624-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	1.91	0.050	mg/kg	2.00		95.5	76.3-129	7.21	15.8	
Toluene	2.00	0.050	mg/kg	2.00		99.9	84.1-129	7.49	15.9	
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.0	80.1-133	8.38	16	
m,p-Xylene	3.88	0.100	mg/kg	4.00		97.0	81.4-134	8.85	16.2	
o-Xylene	1.94	0.050	mg/kg	2.00		96.9	81.4-133	7.88	16.7	
Total Xylenes	5.82	0.150	mg/kg	6.00		97.0	81.5-134	8.53	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0458*		mg/kg	*0.0500*		*91.6*	*71.5-134*			
Batch 5061625 - Volatiles										
Blank (5061625-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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							

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061625 - Volatiles										
Blank (5061625-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0555*		mg/kg	*0.0500*		*111*	*71.5-134*			
LCS (5061625-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	1.97	0.050	mg/kg	2.00		98.5	76.3-129			
Toluene	2.00	0.050	mg/kg	2.00		100	84.1-129			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	80.1-133			
m,p-Xylene	3.97	0.100	mg/kg	4.00		99.4	81.4-134			
o-Xylene	1.97	0.050	mg/kg	2.00		98.7	81.4-133			
Total Xylenes	5.95	0.150	mg/kg	6.00		99.1	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0498*		mg/kg	*0.0500*		*99.7*	*71.5-134*			
LCS Dup (5061625-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	1.95	0.050	mg/kg	2.00		97.3	76.3-129	1.17	15.8	
Toluene	1.96	0.050	mg/kg	2.00		98.2	84.1-129	1.81	15.9	
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.7	80.1-133	1.31	16	
m,p-Xylene	3.91	0.100	mg/kg	4.00		97.9	81.4-134	1.52	16.2	
o-Xylene	1.96	0.050	mg/kg	2.00		97.8	81.4-133	0.846	16.7	
Total Xylenes	5.87	0.150	mg/kg	6.00		97.9	81.5-134	1.30	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0505*		mg/kg	*0.0500*		*101*	*71.5-134*			
Batch 5061630 - Volatiles										
Blank (5061630-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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)	*0.0557*		mg/kg	*0.0500*		*111*	*71.5-134*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061630 - Volatiles										
LCS (5061630-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	1.97	0.050	mg/kg	2.00		98.6	76.3-129			
Toluene	2.02	0.050	mg/kg	2.00		101	84.1-129			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	80.1-133			
m,p-Xylene	4.21	0.100	mg/kg	4.00		105	81.4-134			
o-Xylene	2.09	0.050	mg/kg	2.00		105	81.4-133			
Total Xylenes	6.31	0.150	mg/kg	6.00		105	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0515*		mg/kg	*0.0500*		*103*	*71.5-134*			
LCS Dup (5061630-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	1.70	0.050	mg/kg	2.00		85.2	76.3-129	14.7	15.8	
Toluene	1.76	0.050	mg/kg	2.00		87.8	84.1-129	14.1	15.9	
Ethylbenzene	1.78	0.050	mg/kg	2.00		88.9	80.1-133	13.9	16	
m,p-Xylene	3.65	0.100	mg/kg	4.00		91.4	81.4-134	14.2	16.2	
o-Xylene	1.83	0.050	mg/kg	2.00		91.3	81.4-133	13.5	16.7	
Total Xylenes	5.48	0.150	mg/kg	6.00		91.3	81.5-134	14.0	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0506*		mg/kg	*0.0500*		*101*	*71.5-134*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

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 5061638 - General Prep - Organics										
Blank (5061638-BLK1)				Prepared & Analyzed: 16-Jun-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	*57.7*		mg/kg	*50.0*		*115*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*52.9*		mg/kg	*50.0*		*106*	*40.6-153*			
LCS (5061638-BS1)				Prepared & Analyzed: 16-Jun-25						
GRO C6-C10	207	10.0	mg/kg	200		104	81.5-123			
DRO >C10-C28	193	10.0	mg/kg	200		96.7	77.7-122			
Total TPH C6-C28	401	10.0	mg/kg	400		100	80.9-121			
Surrogate: 1-Chlorooctane	*60.3*		mg/kg	*50.0*		*121*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*52.7*		mg/kg	*50.0*		*105*	*40.6-153*			
LCS Dup (5061638-BSD1)				Prepared & Analyzed: 16-Jun-25						
GRO C6-C10	200	10.0	mg/kg	200		100	81.5-123	3.34	13	
DRO >C10-C28	191	10.0	mg/kg	200		95.7	77.7-122	1.04	15.6	
Total TPH C6-C28	392	10.0	mg/kg	400		98.0	80.9-121	2.22	18.5	
Surrogate: 1-Chlorooctane	*57.1*		mg/kg	*50.0*		*114*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*54.4*		mg/kg	*50.0*		*109*	*40.6-153*			
Batch 5061639 - General Prep - Organics										
Blank (5061639-BLK1)				Prepared & Analyzed: 16-Jun-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	*58.3*		mg/kg	*50.0*		*117*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*58.0*		mg/kg	*50.0*		*116*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

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 5061639 - General Prep - Organics										
LCS (5061639-BS1)				Prepared & Analyzed: 16-Jun-25						
GRO C6-C10	222	10.0	mg/kg	200		111	81.5-123			
DRO >C10-C28	204	10.0	mg/kg	200		102	77.7-122			
Total TPH C6-C28	426	10.0	mg/kg	400		106	80.9-121			
Surrogate: 1-Chlorooctane	*59.6*		mg/kg	*50.0*		*119*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*58.3*		mg/kg	*50.0*		*117*	*40.6-153*			
LCS Dup (5061639-BSD1)				Prepared & Analyzed: 16-Jun-25						
GRO C6-C10	214	10.0	mg/kg	200		107	81.5-123	3.68	13	
DRO >C10-C28	199	10.0	mg/kg	200		99.6	77.7-122	2.37	15.6	
Total TPH C6-C28	413	10.0	mg/kg	400		103	80.9-121	3.05	18.5	
Surrogate: 1-Chlorooctane	*60.9*		mg/kg	*50.0*		*122*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*59.5*		mg/kg	*50.0*		*119*	*40.6-153*			
Batch 5061640 - General Prep - Organics										
Blank (5061640-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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	*57.6*		mg/kg	*50.0*		*115*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*53.7*		mg/kg	*50.0*		*107*	*40.6-153*			
LCS (5061640-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	200	10.0	mg/kg	200		100	81.5-123			
DRO >C10-C28	182	10.0	mg/kg	200		91.1	77.7-122			
Total TPH C6-C28	382	10.0	mg/kg	400		95.6	80.9-121			
Surrogate: 1-Chlorooctane	*55.2*		mg/kg	*50.0*		*110*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*52.9*		mg/kg	*50.0*		*106*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:02

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 5061640 - General Prep - Organics										
LCS Dup (5061640-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	189	10.0	mg/kg	200		94.6	81.5-123	5.55	13	
DRO >C10-C28	168	10.0	mg/kg	200		84.0	77.7-122	8.06	15.6	
Total TPH C6-C28	357	10.0	mg/kg	400		89.3	80.9-121	6.74	18.5	
Surrogate: 1-Chlorooctane	*56.0*		mg/kg	*50.0*		*112*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*52.6*		mg/kg	*50.0*		*105*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

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 *=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 ar 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 su 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

Page 727 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
+2535603		~~3~~ 3.5'																
1	FS 151	3	C	1			✓					✓		6/12/2025	840	✓	✓	✓
2	FS 154	3	C	1			✓					✓		6/12/2025	845	✓	✓	✓
3	FS 185	3	C	1			✓					✓		6/12/2025	935	✓	✓	✓
4	FS 186	3	C	1			✓					✓		6/12/2025	938	✓	✓	✓
5	FS 187	3	C	1			✓					✓		6/12/2025	941	✓	✓	✓
6	FS 188	3	C	1			✓					✓		6/12/2025	944	✓	✓	✓
7	FS 189	3	C	1			✓					✓		6/12/2025	947	✓	✓	✓
8	FS 190	3	C	1			✓					✓		6/12/2025	950	✓	✓	✓
9	FS 191	3	C	1			✓					✓		6/12/2025	1014	✓	✓	✓
10	FS 192	3	C	1			✓					✓		6/12/2025	1017	✓	✓	✓

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 consequental 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.

Relinquished By:	Date: 6.16.25 Time: 1300	**Received By:**	
Relinquished By:	Date: Time:	**Received By:**	

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS: NAPP2505952408 † sample depth corrected per client. SRodriguez 6-23-25

Delivered By: (Circle One)	**Observed Temp. °C** 2.6	**Sample Condition** Cool: ☐ Yes ☐ No	Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** AR	**Turnaround Time:** ☐ Standard ☐ Rush
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 2.9				**Thermometer ID** #140 **Correction Factor** +0.3°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 728 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25393												✓						
11	FS 193	3	C	1			✓					✓		6/12/2025	1020	✓	✓	✓
12	FS 194	3	C	1			✓					✓		6/12/2025	1023	✓	✓	✓
13	FS 195	3	C	1			✓					✓		6/12/2025	1026	✓	✓	✓
14	FS 196	3	C	1			✓					✓		6/12/2025	1030	✓	✓	✓
15	FS 197	3	C	1			✓					✓		6/12/2025	1033	✓	✓	✓
16	FS 198	3	C	1			✓					✓		6/12/2025	1036	✓	✓	✓
17	FS 199	3	C	1			✓					✓		6/12/2025	1039	✓	✓	✓
18	FS 200	3	C	1			✓					✓		6/12/2025	1042	✓	✓	✓
19	FS 201	3	C	1			✓					✓		6/12/2025	1045	✓	✓	✓
20	FS 202	3	C	1			✓					✓		6/12/2025	1051	✓	✓	✓

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.

Relinquished By: Evan R	**Date:** 6.16.25 **Time:** 1200	**Received By:** APadilla	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	**Observed Temp. °C** 26 **Corrected Temp. °C** 29	**Sample Condition** Cool ☑ Yes ☐ No Intact ☐ Yes ☐ No	**CHECKED BY: (Initials)** AP

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 729 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253563																		
21	FS 203	3	C	1			✓					✓		6/12/2025	1054	✓	✓	✓
22	FS 204	3	C	1			✓					✓		6/12/2025	1057	✓	✓	✓
23	FS 205	3	C	1			✓					✓		6/12/2025	1100	✓	✓	✓
24	FS 206	3	C	1			✓					✓		6/12/2025	1103	✓	✓	✓
25	FS 207	3	C	1			✓					✓		6/12/2025	1106	✓	✓	✓
26	FS 208	3	C	1			✓					✓		6/12/2025	1109	✓	✓	✓
27	FS 209	3	C	1			✓					✓		6/12/2025	1112	✓	✓	✓
28	FS 210	3	C	1			✓					✓		6/12/2025	1115	✓	✓	✓
29	FS 213	3	C	1			✓					✓		6/12/2025	1315	✓	✓	✓
30	FS 214	3	C	1			✓					✓		6/12/2025	1318	✓	✓	✓

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.

Relinquished By:	**Date:** 6.16.25 **Time:** 1220	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	**Observed Temp. °C** 2.6 **Corrected Temp. °C** 2.9	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** AR	**Turnaround Time:** Standard ☐ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C	**Bacteria (only) Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 730 of 1704

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	State: TX Zip: 79701	Attn: Connor Walker
Phone #:	432-296-0627	Fax #:	Address: 4801 Business Park Blvd
Project #:	03C2284006	Project Owner: Mewbourne	City: Hobbs
Project Name:	MOC Old Indian		State: NM Zip: 88240
Project Location:	Eddy County, NM		Phone #: 575-393-5905
Sampler Name:	Evan Roe		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253503																		
31	FS 215	3	C	1			✓					✓		6/12/2025	1321	✓	✓	✓
32	FS 219	3	C	1			✓					✓		6/12/2025	1324	✓	✓	✓
33	FS 220	3	C	1			✓					✓		6/12/2025	1327	✓	✓	✓
34	FS 224	3	C	1			✓					✓		6/12/2025	1330	✓	✓	✓
35	FS 225	3	C	1			✓					✓		6/12/2025	1336	✓	✓	✓
36	FS 229	3	C	1			✓					✓		6/12/2025	1339	✓	✓	✓
37	FS 230	3	C	1			✓					✓		6/12/2025	1342	✓	✓	✓
38	FS 231	3	C	1			✓					✓		6/12/2025	1345	✓	✓	✓
39	FS 232	3	C	1			✓					✓		6/12/2025	1348	✓	✓	✓
40	FS 233	3	C	1			✓					✓		6/12/2025	1414	✓	✓	✓

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 consequental 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.

Relinquished By:	Date: 6.12.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1230		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 3.6	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) AP	Turnaround Time: Standard ☐ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.9			Thermometer ID #140 Correction Factor +0.3°C
FORM-006 R 3.6 02/12/25				Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 731 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	State: TX Zip: 79701	Attn: Connor Walker
Phone #:	432-296-0627	Fax #:	Address: 4801 Business Park Blvd
Project #:	03C2284006	Project Owner: Mewbourne	City: Hobbs
Project Name:	MOC Old Indian		State: NM Zip: 88240
Project Location:	Eddy County, NM		Phone #: 575-393-5905
Sampler Name:	Evan Roe		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253563																		
41	FS 234	3	C	1			✓					✓		6/12/2025	1417	✓	✓	✓
42	FS 235	3	C	1			✓					✓		6/12/2025	1420	✓	✓	✓
43	SW 25	0-3	C	1			✓					✓		6/12/2025	1440	✓	✓	✓
44	SW 26	0-3	C	1			✓					✓		6/12/2025	1445	✓	✓	✓

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.

Relinquished By:	Date: 6.N25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1220		All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.6	Sample Condition Cool / Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☐	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.9	☑ Yes ☐ Yes ☐ No ☐ No	HP	Thermometer ID #140 Correction Factor +0.3°C	☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 20, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/16/25 12:20.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 236 3 (H253564-01)

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	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/17/2025	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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *86.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 237 3 (H253564-02)

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	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/17/2025	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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *65.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *60.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 238 3 (H253564-03)

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	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/17/2025	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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *66.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 239 3 (H253564-04)

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	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**704**	16.0	06/17/2025	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	06/17/2025	ND	200	100	200	5.55	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	182	91.1	200	8.06	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *75.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 240 3 (H253564-05)

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	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *82.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 241 3 (H253564-06)

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	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *84.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 242 3 (H253564-07)

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	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 243 3 (H253564-08)

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	06/17/2025	ND	1.97	98.6	2.00	14.7	
Toluene*	<0.050	0.050	06/17/2025	ND	2.02	101	2.00	14.1	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	2.04	102	2.00	13.9	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.31	105	6.00	14.0	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *83.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 244 3 (H253564-09)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *73.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 245 3 (H253564-10)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *67.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 246 3 (H253564-11)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *88.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 247 3 (H253564-12)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *79.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 248 3 (H253564-13)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *79.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 249 1 (H253564-14)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**720**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *71.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 250 2 (H253564-15)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *81.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 251 3 (H253564-16)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2240**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *75.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 252 3 (H253564-17)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *88.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 253 3 (H253564-18)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *90.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 254 3 (H253564-19)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3800**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *90.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 255 3 (H253564-20)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**864**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *83.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 256 3 (H253564-21)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *95.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 257 3 (H253564-22)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 258 3 (H253564-23)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4960**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *95.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 260 3 (H253564-25)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/17/2025	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	06/17/2025	ND	190	94.9	200	4.15	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	190	95.0	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *98.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 261 3 (H253564-26)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *116 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 283 3 (H253564-27)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *81.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 284 3 (H253564-28)

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	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *88.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 285 3 (H253564-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	8.90	
Toluene*	<0.050	0.050	06/17/2025	ND	1.89	94.3	2.00	6.91	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.88	94.0	2.00	5.23	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.84	97.3	6.00	5.62	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *82.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 286 3 (H253564-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *93.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 287 3 (H253564-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *91.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 289 3 (H253564-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**992**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *92.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 293 3 (H253564-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 294 3 (H253564-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *92.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 295 3 (H253564-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *81.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 296 3 (H253564-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**944**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *94.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 297 3 (H253564-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *85.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 22 3 (H253564-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/17/2025	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	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *81.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 23 3 (H253564-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *87.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 24 3 (H253564-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 25 3 (H253564-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *87.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 35 3 (H253564-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *92.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 36 3 (H253564-43)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *86.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 37 3 (H253564-44)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-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	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *92.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 59 3 (H253564-45)

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	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	182	90.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	197	98.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 1.5 3.5 (H253564-46)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	195	97.3	200	2.63	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	180	89.8	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *77.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 28.5 4.5 (H253564-47)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	195	97.3	200	2.63	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	180	89.8	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *72.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 147 3 (H253564-48)

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	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-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	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	195	97.3	200	2.63	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	180	89.8	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *73.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/16/2025	Sampling Date:	06/13/2025
Reported:	06/20/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 181 3 (H253564-49)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2025	ND	2.00	99.9	2.00	9.66	
Toluene*	<0.050	0.050	06/18/2025	ND	2.13	107	2.00	9.64	
Ethylbenzene*	<0.050	0.050	06/18/2025	ND	1.95	97.4	2.00	10.1	
Total Xylenes*	<0.150	0.150	06/18/2025	ND	5.88	98.0	6.00	10.8	
Total BTEX	<0.300	0.300	06/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/18/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	195	97.3	200	2.63	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	180	89.8	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane *69.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 782 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY					MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500										
H253904																												
1	FS 236	3	C	1			✓					✓		6/13/2025	903	✓	✓	✓										
2	FS 237	3	C	1			✓					✓		6/13/2025	906	✓	✓	✓										
3	FS 238	3	C	1			✓					✓		6/13/2025	909	✓	✓	✓										
4	FS 239	3	C	1			✓					✓		6/13/2025	912	✓	✓	✓										
5	FS 240	3	C	1			✓					✓		6/13/2025	918	✓	✓	✓										
6	FS 241	3	C	1			✓					✓		6/13/2025	915	✓	✓	✓										
7	FS 242	3	C	1			✓					✓		6/13/2025	921	✓	✓	✓										
8	FS 243	3	C	1			✓					✓		6/13/2025	924	✓	✓	✓										
9	FS 244	3	C	1			✓					✓		6/13/2025	1203	✓	✓	✓										
10	FS 245	3	C	1			✓					✓		6/13/2025	939	✓	✓	✓										

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.

Relinquished By:	**Date:** 6.16.25	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1800		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
	Time:		jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
			REMARKS: NAPP2505952408

Delivered By: (Circle One)	**Observed Temp. °C** 0.0	**Sample Condition** Cool ☑ Yes Intact ☑ Yes ☐ No ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☐ Rush ☐	**Bacteria (only) Sample Condition** Cool ☐ Yes Intact ☐ Yes ☐ No ☐ No Observed Temp. °C
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 2.9			**Thermometer ID #140** **Correction Factor +0.3°C**	Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 783 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253314																		
11	FS 246	3	C	1			✓					✓		6/13/2025	942	✓	✓	✓
12	FS 247	3	C	1			✓					✓		6/13/2025	945	✓	✓	✓
13	FS 248	3	C	1			✓					✓		6/13/2025	927	✓	✓	✓
14	FS 249	1	C	1			✓					✓		6/13/2025	948	✓	✓	✓
15	FS 250	2	C	1			✓					✓		6/13/2025	1506	✓	✓	✓
16	FS 251	3	C	1			✓					✓		6/13/2025	951	✓	✓	✓
17	FS 252	3	C	1			✓					✓		6/13/2025	1003	✓	✓	✓
18	FS 253	3	C	1			✓					✓		6/13/2025	1006	✓	✓	✓
19	FS 254	3	C	1			✓					✓		6/13/2025	930	✓	✓	✓
20	FS 255	3	C	1			✓					✓		6/13/2025	933	✓	✓	✓

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.

Relinquished By:	**Date:** 6/16/25 **Time:** 1800	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** 24 **Corrected Temp. °C** 29	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** DP	**Turnaround Time:** Standard ☐ Rush ☐ **Thermometer ID** #140 **Correction Factor** +0.3°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 784 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253304																		
21	FS 256	3	C	1			✓					✓		6/13/2025	1009	✓	✓	✓
22	FS 257	3	C	1			✓					✓		6/13/2025	1012	✓	✓	✓
23	FS 258	3	C	1			✓					✓		6/13/2025	1051	✓	✓	✓
24	~~FS 259~~	~~3~~	~~C~~	1			✓					✓		6/13/2025	1015	✓	✓	✓
24 25	FS 260	3	C	1			✓					✓		6/13/2025	1045	✓	✓	✓
25 26	FS 261	3	C	1			✓					✓		6/13/2025	1048	✓	✓	✓
26 27	FS 283	3	C	1			✓					✓		6/13/2025	1054	✓	✓	✓
27 28	FS 284	3	C	1			✓					✓		6/13/2025	1057	✓	✓	✓
28 29	FS 285	3	C	1			✓					✓		6/13/2025	1100	✓	✓	✓
29 30	FS 286	3	C	1			✓					✓		6/13/2025	1221	✓	✓	✓

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.

Relinquished By:	**Date:** 6.16.25	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1200		**All Results are emailed. Please provide Email address:** jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		**REMARKS:** NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	**Observed Temp. °C** 2.6 **Corrected Temp. °C** 2.9	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** KP	**Turnaround Time:** Standard ☐ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C	**Bacteria (only) Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 785 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25																		
30 31	FS 287	3	C	1			✓					✓		6/13/2025	1224	✓	✓	✓
31 32	FS 289	3	C	1			✓					✓		6/13/2025	1206	✓	✓	✓
32 33	FS 293	3	C	1			✓					✓		6/13/2025	1227	✓	✓	✓
33 34	FS 294	3	C	1			✓					✓		6/13/2025	1212	✓	✓	✓
34 35	FS 295	3	C	1			✓					✓		6/13/2025	1215	✓	✓	✓
35 36	FS 296	3	C	1			✓					✓		6/13/2025	1209	✓	✓	✓
36 37	FS 297	3	C	1			✓					✓		6/13/2025	1230	✓	✓	✓
37 38	FS 22	3	C	1			✓					✓		6/13/2025	1057	✓	✓	✓
38 39	FS 23	3	C	1			✓					✓		6/13/2025	1333	✓	✓	✓
39 40	FS 24	3	C	1			✓					✓		6/13/2025	1336	✓	✓	✓

ANALYSIS REQUEST

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.

Relinquished By:	**Date:** 6.16.25	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1200		All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		**REMARKS:** NAPP2505952408

Delivered By: (Circle One)	**Observed Temp. °C** 20.1	**Sample Condition** Cool: ☐ Yes ☑ Yes / Intact: ☐ No ☐ No	**CHECKED BY: (Initials)** AD	**Turnaround Time:** Standard ☐ Rush ☐	**Bacteria (only) Sample Condition** Cool: ☐ Yes ☐ No / Intact: ☐ Yes ☐ No
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 20.1			Thermometer ID #140 Correction Factor +0.3°C	Observed Temp. °C / Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 786 of 1704

Page 55 of 55

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253504																		
41	FS 25	3	C	1			✓					✓		6/13/2025	1339	✓	✓	✓
42	FS 35	3	C	1			✓					✓		6/13/2025	1342	✓	✓	✓
43	FS 36	3	C	1			✓					✓		6/13/2025	1345	✓	✓	✓
44	FS 37	3	C	1			✓					✓		6/13/2025	1400	✓	✓	✓
45	FS 59	3	C	1			✓					✓		6/13/2025	1410	✓	✓	✓
46	FS 1.5	3.5	C	1			✓					✓		6/13/2025	1500	✓	✓	✓
47	FS 28.5	4.5	C	1			✓					✓		6/13/2025	1505	✓	✓	✓
48	FS 147	3	C	1			✓					✓		6/13/2025	1218	✓	✓	✓
49	FS 181	3	C	1			✓					✓		6/13/2025	900	✓	✓	✓
50																		

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.

Relinquished By:	**Date:** 6/16/25	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1200		**All Results are emailed. Please provide Email address:** jreich@ensolum.com
Relinquished By:	**Date:**	**Received By:**	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		**REMARKS:** NAPP2505952408

Delivered By: (Circle One)	**Observed Temp. °C** 26	**Sample Condition** Cool: ☑ Yes ☐ No; Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** DA	**Turnaround Time:** Standard ☐ Rush ☐
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 29			**Thermometer ID** #140 **Correction Factor** +0.3°C
FORM-006 R 3.6 02/12/25				**Bacteria (only) Sample Condition** Cool: ☐ Yes ☐ No; Intact: ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 23, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/16/25 12:20.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 236 3	H253564-01	Soil	13-Jun-25 09:03	16-Jun-25 12:20
FS 237 3	H253564-02	Soil	13-Jun-25 09:06	16-Jun-25 12:20
FS 238 3	H253564-03	Soil	13-Jun-25 09:09	16-Jun-25 12:20
FS 239 3	H253564-04	Soil	13-Jun-25 09:12	16-Jun-25 12:20
FS 240 3	H253564-05	Soil	13-Jun-25 09:18	16-Jun-25 12:20
FS 241 3	H253564-06	Soil	13-Jun-25 09:15	16-Jun-25 12:20
FS 242 3	H253564-07	Soil	13-Jun-25 09:21	16-Jun-25 12:20
FS 243 3	H253564-08	Soil	13-Jun-25 09:24	16-Jun-25 12:20
FS 244 3	H253564-09	Soil	13-Jun-25 12:03	16-Jun-25 12:20
FS 245 3	H253564-10	Soil	13-Jun-25 09:39	16-Jun-25 12:20
FS 246 3	H253564-11	Soil	13-Jun-25 09:42	16-Jun-25 12:20
FS 247 3	H253564-12	Soil	13-Jun-25 09:45	16-Jun-25 12:20
FS 248 3	H253564-13	Soil	13-Jun-25 09:27	16-Jun-25 12:20
FS 249 1	H253564-14	Soil	13-Jun-25 09:48	16-Jun-25 12:20
FS 250 2	H253564-15	Soil	13-Jun-25 15:06	16-Jun-25 12:20
FS 251 3	H253564-16	Soil	13-Jun-25 09:51	16-Jun-25 12:20
FS 252 3	H253564-17	Soil	13-Jun-25 10:03	16-Jun-25 12:20
FS 253 3	H253564-18	Soil	13-Jun-25 10:06	16-Jun-25 12:20
FS 254 3	H253564-19	Soil	13-Jun-25 09:30	16-Jun-25 12:20
FS 255 3	H253564-20	Soil	13-Jun-25 09:33	16-Jun-25 12:20
FS 256 3	H253564-21	Soil	13-Jun-25 10:09	16-Jun-25 12:20
FS 257 3	H253564-22	Soil	13-Jun-25 10:12	16-Jun-25 12:20
FS 258 3	H253564-23	Soil	13-Jun-25 10:51	16-Jun-25 12:20
FS 260 3	H253564-25	Soil	13-Jun-25 10:45	16-Jun-25 12:20
FS 261 3	H253564-26	Soil	13-Jun-25 10:48	16-Jun-25 12:20
FS 283 3	H253564-27	Soil	13-Jun-25 10:54	16-Jun-25 12:20
FS 284 3	H253564-28	Soil	13-Jun-25 10:57	16-Jun-25 12:20

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 285 3	H253564-29	Soil	13-Jun-25 11:00	16-Jun-25 12:20
FS 286 3	H253564-30	Soil	13-Jun-25 12:21	16-Jun-25 12:20
FS 287 3	H253564-31	Soil	13-Jun-25 12:24	16-Jun-25 12:20
FS 289 3	H253564-32	Soil	13-Jun-25 12:06	16-Jun-25 12:20
FS 293 3	H253564-33	Soil	13-Jun-25 12:27	16-Jun-25 12:20
FS 294 3	H253564-34	Soil	13-Jun-25 12:12	16-Jun-25 12:20
FS 295 3	H253564-35	Soil	13-Jun-25 12:15	16-Jun-25 12:20
FS 296 3	H253564-36	Soil	13-Jun-25 12:09	16-Jun-25 12:20
FS 297 3	H253564-37	Soil	13-Jun-25 12:30	16-Jun-25 12:20
FS 22 3	H253564-38	Soil	13-Jun-25 10:57	16-Jun-25 12:20
FS 23 3	H253564-39	Soil	13-Jun-25 13:33	16-Jun-25 12:20
FS 24 3	H253564-40	Soil	13-Jun-25 13:35	16-Jun-25 12:20
FS 25 3	H253564-41	Soil	13-Jun-25 13:39	16-Jun-25 12:20
FS 35 3	H253564-42	Soil	13-Jun-25 13:42	16-Jun-25 12:20
FS 36 3	H253564-43	Soil	13-Jun-25 13:45	16-Jun-25 12:20
FS 37 3	H253564-44	Soil	13-Jun-25 14:00	16-Jun-25 12:20
FS 59 3	H253564-45	Soil	13-Jun-25 14:10	16-Jun-25 12:20
FS 1.5 3.5	H253564-46	Soil	13-Jun-25 15:00	16-Jun-25 12:20
FS 28.5 6.5	H253564-47	Soil	13-Jun-25 15:05	16-Jun-25 12:20
FS 147.5 3	H253564-48	Soil	13-Jun-25 12:18	16-Jun-25 12:20
FS 181 3	H253564-49	Soil	13-Jun-25 09:00	16-Jun-25 12:20

06/23/25 - Client changed the sample ID on -47 and -48 (see COC). This is the revised report and will replace the one sent on 06/20/25.

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 236 3

H253564-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*86.2 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.7 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 237 3

H253564-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*65.8 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*60.4 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 238 3

H253564-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*66.9 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*62.3 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 239 3

H253564-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**704**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061640	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*75.0 %*	*44.4-145*		*5061640*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*70.7 %*	*40.6-153*		*5061640*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 240 3

H253564-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*82.5 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*78.7 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 241 3

H253564-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*115 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*84.5 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*81.5 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 242 3

H253564-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*82.4 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*79.0 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 243 3

H253564-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**208**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061630	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*5061630*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*83.8 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.2 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 244 3

H253564-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.3 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*73.7 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*69.7 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 245 3

H253564-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**416**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*67.4 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*62.4 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 246 3

H253564-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.6 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*88.0 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.3 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 247 3

H253564-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.9 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*79.2 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.4 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 248 3

H253564-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.8 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*79.1 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.1 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 249 1

H253564-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**720**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.3 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*71.3 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*67.2 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 250 2

H253564-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**176**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.4 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*81.2 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.0 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 251 3

H253564-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**2240**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.7 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*75.5 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*73.9 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 252 3

H253564-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**496**		16.0	mg/kg	4	5061718	AC	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.4 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*88.4 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.6 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 253 3

H253564-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.4 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*90.5 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.2 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 254 3

H253564-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**3800**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.9 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*90.6 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.9 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 255 3

H253564-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**864**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*83.6 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.8 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 256 3

H253564-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.5 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.0 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 257 3

H253564-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*93.0 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*91.3 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 258 3

H253564-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**4960**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.9 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.6 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 260 3

H253564-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.8 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061641	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*98.5 %*	*44.4-145*		*5061641*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*98.2 %*	*40.6-153*		*5061641*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 261 3

H253564-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*111 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 283 3

H253564-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*81.8 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.8 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 284 3

H253564-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**256**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*88.4 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*89.4 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 285 3

H253564-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061631	JH	17-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*5061631*	JH	*17-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*82.3 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*82.5 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 286 3

H253564-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*93.1 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*93.0 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 287 3

H253564-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*91.2 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.4 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 289 3

H253564-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**992**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*92.6 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.7 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 293 3

H253564-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**320**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.5 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.5 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 294 3

H253564-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**208**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*92.3 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*93.6 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 295 3

H253564-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**240**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*81.6 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*82.1 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 296 3

H253564-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**944**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*94.4 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*93.7 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 297 3

H253564-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*85.2 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.4 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 22 3

H253564-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**208**		16.0	mg/kg	4	5061721	HM	17-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*81.5 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.5 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 23 3

H253564-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.7 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.4 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*87.8 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 24 3

H253564-40 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.9 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*88.9 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*89.8 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 25 3

H253564-41 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*87.0 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.7 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 35 3

H253564-42 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*92.0 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*93.6 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 36 3

H253564-43 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*86.9 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*87.2 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 37 3

H253564-44 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*92.6 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.0 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 59 3

H253564-45 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061642	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*95.4 %*	*44.4-145*		*5061642*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.4 %*	*40.6-153*		*5061642*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 1.5 3.5

H253564-46 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**320**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*77.6 %*	*44.4-145*		*5061643*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*72.3 %*	*40.6-153*		*5061643*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 28.5 6.5

H253564-47 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**176**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*72.0 %*	*44.4-145*		*5061643*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*69.5 %*	*40.6-153*		*5061643*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 147.5 3

H253564-48 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*73.9 %*	*44.4-145*		*5061643*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*69.1 %*	*40.6-153*		*5061643*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

FS 181 3

H253564-49 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5061803	KH	18-Jun-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061632	JH	18-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*5061632*	JH	*18-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061643	MS	17-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*69.8 %*	*44.4-145*		*5061643*	MS	*17-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*70.7 %*	*40.6-153*		*5061643*	MS	*17-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061718 - 1:4 DI Water										
Blank (5061718-BLK1)				Prepared & Analyzed: 17-Jun-25						
Chloride	ND	16.0	mg/kg							
LCS (5061718-BS1)				Prepared & Analyzed: 17-Jun-25						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (5061718-BSD1)				Prepared & Analyzed: 17-Jun-25						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	
Batch 5061721 - 1:4 DI Water										
Blank (5061721-BLK1)				Prepared & Analyzed: 17-Jun-25						
Chloride	ND	16.0	mg/kg							
LCS (5061721-BS1)				Prepared & Analyzed: 17-Jun-25						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5061721-BSD1)				Prepared & Analyzed: 17-Jun-25						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 5061803 - 1:4 DI Water										
Blank (5061803-BLK1)				Prepared & Analyzed: 18-Jun-25						
Chloride	ND	16.0	mg/kg							
LCS (5061803-BS1)				Prepared & Analyzed: 18-Jun-25						
Chloride	400	16.0	mg/kg	400		100	80-120			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061803 - 1:4 DI Water										
LCS Dup (5061803-BSD1)				Prepared & Analyzed: 18-Jun-25						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061630 - Volatiles										
Blank (5061630-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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)	*0.0557*		mg/kg	*0.0500*		*111*	*71.5-134*			
LCS (5061630-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	1.97	0.050	mg/kg	2.00		98.6	76.3-129			
Toluene	2.02	0.050	mg/kg	2.00		101	84.1-129			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	80.1-133			
m,p-Xylene	4.21	0.100	mg/kg	4.00		105	81.4-134			
o-Xylene	2.09	0.050	mg/kg	2.00		105	81.4-133			
Total Xylenes	6.31	0.150	mg/kg	6.00		105	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0515*		mg/kg	*0.0500*		*103*	*71.5-134*			
LCS Dup (5061630-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	1.70	0.050	mg/kg	2.00		85.2	76.3-129	14.7	15.8	
Toluene	1.76	0.050	mg/kg	2.00		87.8	84.1-129	14.1	15.9	
Ethylbenzene	1.78	0.050	mg/kg	2.00		88.9	80.1-133	13.9	16	
m,p-Xylene	3.65	0.100	mg/kg	4.00		91.4	81.4-134	14.2	16.2	
o-Xylene	1.83	0.050	mg/kg	2.00		91.3	81.4-133	13.5	16.7	
Total Xylenes	5.48	0.150	mg/kg	6.00		91.3	81.5-134	14.0	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0506*		mg/kg	*0.0500*		*101*	*71.5-134*			
Batch 5061631 - Volatiles										
Blank (5061631-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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							

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061631 - Volatiles										
Blank (5061631-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*97.6*	*71.5-134*			
LCS (5061631-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	2.19	0.050	mg/kg	2.00		110	76.3-129			
Toluene	1.89	0.050	mg/kg	2.00		94.3	84.1-129			
Ethylbenzene	1.88	0.050	mg/kg	2.00		94.0	80.1-133			
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.8	81.4-134			
o-Xylene	1.96	0.050	mg/kg	2.00		98.2	81.4-133			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0442*		mg/kg	*0.0500*		*88.5*	*71.5-134*			
LCS Dup (5061631-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
Benzene	2.00	0.050	mg/kg	2.00		100	76.3-129	8.90	15.8	
Toluene	1.76	0.050	mg/kg	2.00		88.0	84.1-129	6.91	15.9	
Ethylbenzene	1.78	0.050	mg/kg	2.00		89.2	80.1-133	5.23	16	
m,p-Xylene	3.66	0.100	mg/kg	4.00		91.6	81.4-134	5.56	16.2	
o-Xylene	1.85	0.050	mg/kg	2.00		92.7	81.4-133	5.76	16.7	
Total Xylenes	5.52	0.150	mg/kg	6.00		92.0	81.5-134	5.62	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0457*		mg/kg	*0.0500*		*91.4*	*71.5-134*			
Batch 5061632 - Volatiles										
Blank (5061632-BLK1)				Prepared: 16-Jun-25 Analyzed: 18-Jun-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)	*0.0503*		mg/kg	*0.0500*		*101*	*71.5-134*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061632 - Volatiles										
LCS (5061632-BS1)				Prepared: 16-Jun-25 Analyzed: 18-Jun-25						
Benzene	2.00	0.050	mg/kg	2.00		99.9	76.3-129			
Toluene	2.13	0.050	mg/kg	2.00		107	84.1-129			
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.4	80.1-133			
m,p-Xylene	3.90	0.100	mg/kg	4.00		97.5	81.4-134			
o-Xylene	1.98	0.050	mg/kg	2.00		99.0	81.4-133			
Total Xylenes	5.88	0.150	mg/kg	6.00		98.0	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0491*		mg/kg	*0.0500*		*98.1*	*71.5-134*			
LCS Dup (5061632-BSD1)				Prepared: 16-Jun-25 Analyzed: 18-Jun-25						
Benzene	1.81	0.050	mg/kg	2.00		90.7	76.3-129	9.66	15.8	
Toluene	1.94	0.050	mg/kg	2.00		96.9	84.1-129	9.64	15.9	
Ethylbenzene	1.76	0.050	mg/kg	2.00		88.1	80.1-133	10.1	16	
m,p-Xylene	3.50	0.100	mg/kg	4.00		87.4	81.4-134	10.9	16.2	
o-Xylene	1.78	0.050	mg/kg	2.00		88.9	81.4-133	10.8	16.7	
Total Xylenes	5.28	0.150	mg/kg	6.00		87.9	81.5-134	10.8	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0490*		mg/kg	*0.0500*		*98.0*	*71.5-134*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

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 5061640 - General Prep - Organics										
Blank (5061640-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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	*57.6*		mg/kg	*50.0*		*115*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*53.7*		mg/kg	*50.0*		*107*	*40.6-153*			
LCS (5061640-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	200	10.0	mg/kg	200		100	81.5-123			
DRO >C10-C28	182	10.0	mg/kg	200		91.1	77.7-122			
Total TPH C6-C28	382	10.0	mg/kg	400		95.6	80.9-121			
Surrogate: 1-Chlorooctane	*55.2*		mg/kg	*50.0*		*110*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*52.9*		mg/kg	*50.0*		*106*	*40.6-153*			
LCS Dup (5061640-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	189	10.0	mg/kg	200		94.6	81.5-123	5.55	13	
DRO >C10-C28	168	10.0	mg/kg	200		84.0	77.7-122	8.06	15.6	
Total TPH C6-C28	357	10.0	mg/kg	400		89.3	80.9-121	6.74	18.5	
Surrogate: 1-Chlorooctane	*56.0*		mg/kg	*50.0*		*112*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*52.6*		mg/kg	*50.0*		*105*	*40.6-153*			
Batch 5061641 - General Prep - Organics										
Blank (5061641-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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	*55.2*		mg/kg	*50.0*		*110*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*55.0*		mg/kg	*50.0*		*110*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

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 5061641 - General Prep - Organics										
LCS (5061641-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	190	10.0	mg/kg	200		94.9	81.5-123			
DRO >C10-C28	190	10.0	mg/kg	200		95.0	77.7-122			
Total TPH C6-C28	380	10.0	mg/kg	400		94.9	80.9-121			
Surrogate: 1-Chlorooctane	*52.0*		mg/kg	*50.0*		*104*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*53.1*		mg/kg	*50.0*		*106*	*40.6-153*			
LCS Dup (5061641-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	182	10.0	mg/kg	200		91.0	81.5-123	4.15	13	
DRO >C10-C28	179	10.0	mg/kg	200		89.4	77.7-122	6.08	15.6	
Total TPH C6-C28	361	10.0	mg/kg	400		90.2	80.9-121	5.11	18.5	
Surrogate: 1-Chlorooctane	*53.5*		mg/kg	*50.0*		*107*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*53.4*		mg/kg	*50.0*		*107*	*40.6-153*			
Batch 5061642 - General Prep - Organics										
Blank (5061642-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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	*57.9*		mg/kg	*50.0*		*116*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*59.3*		mg/kg	*50.0*		*119*	*40.6-153*			
LCS (5061642-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	182	10.0	mg/kg	200		90.8	81.5-123			
DRO >C10-C28	197	10.0	mg/kg	200		98.5	77.7-122			
Total TPH C6-C28	379	10.0	mg/kg	400		94.7	80.9-121			
Surrogate: 1-Chlorooctane	*55.3*		mg/kg	*50.0*		*111*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*59.4*		mg/kg	*50.0*		*119*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 23-Jun-25 16:08

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 5061642 - General Prep - Organics										
LCS Dup (5061642-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	178	10.0	mg/kg	200		88.9	81.5-123	2.17	13	
DRO >C10-C28	191	10.0	mg/kg	200		95.3	77.7-122	3.38	15.6	
Total TPH C6-C28	368	10.0	mg/kg	400		92.1	80.9-121	2.79	18.5	
Surrogate: 1-Chlorooctane	*57.0*		mg/kg	*50.0*		*114*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*58.9*		mg/kg	*50.0*		*118*	*40.6-153*			
Batch 5061643 - General Prep - Organics										
Blank (5061643-BLK1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-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	*50.9*		mg/kg	*50.0*		*102*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*49.2*		mg/kg	*50.0*		*98.3*	*40.6-153*			
LCS (5061643-BS1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	195	10.0	mg/kg	200		97.3	81.5-123			
DRO >C10-C28	180	10.0	mg/kg	200		89.8	77.7-122			
Total TPH C6-C28	374	10.0	mg/kg	400		93.5	80.9-121			
Surrogate: 1-Chlorooctane	*48.9*		mg/kg	*50.0*		*97.8*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*48.4*		mg/kg	*50.0*		*96.8*	*40.6-153*			
LCS Dup (5061643-BSD1)				Prepared: 16-Jun-25 Analyzed: 17-Jun-25						
GRO C6-C10	190	10.0	mg/kg	200		94.8	81.5-123	2.63	13	
DRO >C10-C28	175	10.0	mg/kg	200		87.7	77.7-122	2.34	15.6	
Total TPH C6-C28	365	10.0	mg/kg	400		91.2	80.9-121	2.49	18.5	
Surrogate: 1-Chlorooctane	*50.5*		mg/kg	*50.0*		*101*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*49.6*		mg/kg	*50.0*		*99.2*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

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 *=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 ar 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 su 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

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253964																		
1	FS 236	3	C	1			✓					✓		6/13/2025	903	✓	✓	✓
2	FS 237	3	C	1			✓					✓		6/13/2025	906	✓	✓	✓
3	FS 238	3	C	1			✓					✓		6/13/2025	909	✓	✓	✓
4	FS 239	3	C	1			✓					✓		6/13/2025	912	✓	✓	✓
5	FS 240	3	C	1			✓					✓		6/13/2025	918	✓	✓	✓
6	FS 241	3	C	1			✓					✓		6/13/2025	915	✓	✓	✓
7	FS 242	3	C	1			✓					✓		6/13/2025	921	✓	✓	✓
8	FS 243	3	C	1			✓					✓		6/13/2025	924	✓	✓	✓
9	FS 244	3	C	1			✓					✓		6/13/2025	1203	✓	✓	✓
10	FS 245	3	C	1			✓					✓		6/13/2025	939	✓	✓	✓

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.

Relinquished By:	Date: 6.16.25	Received By:	
	Time: 1800		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 20.6	Sample Condition Cool: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☐ Standard ☐ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C 20.9	Intact: ☑ Yes ☐ No		Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 848 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253514																		
11	FS 246	3	C	1			✓					✓		6/13/2025	942	✓	✓	✓
12	FS 247	3	C	1			✓					✓		6/13/2025	945	✓	✓	✓
13	FS 248	3	C	1			✓					✓		6/13/2025	927	✓	✓	✓
14	FS 249	1	C	1			✓					✓		6/13/2025	948	✓	✓	✓
15	FS 250	2	C	1			✓					✓		6/13/2025	1506	✓	✓	✓
16	FS 251	3	C	1			✓					✓		6/13/2025	951	✓	✓	✓
17	FS 252	3	C	1			✓					✓		6/13/2025	1003	✓	✓	✓
18	FS 253	3	C	1			✓					✓		6/13/2025	1006	✓	✓	✓
19	FS 254	3	C	1			✓					✓		6/13/2025	930	✓	✓	✓
20	FS 255	3	C	1			✓					✓		6/13/2025	933	✓		✓

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.

Relinquished By:	**Date:** 6.16.25 **Time:** 1800	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	**Observed Temp. °C** 24 **Corrected Temp. °C** 24	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** DP	**Turnaround Time:** Standard ☐ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	State: TX Zip: 79701	Attn: Connor Walker
Phone #:	432-296-0627	Fax #:	Address: 4801 Business Park Blvd
Project #:	03C2284006	Project Owner: Mewbourne	City: Hobbs
Project Name:	MOC Old Indian		State: NM Zip: 88240
Project Location:	Eddy County, NM		Phone #: 575-393-5905
Sampler Name:	Evan Roe		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253564																		
21	FS 256	3	C	1			✓					✓		6/13/2025	1009	✓	✓	✓
22	FS 257	3	C	1			✓					✓		6/13/2025	1012	✓	✓	✓
23	FS 258	3	C	1			✓					✓		6/13/2025	1051	✓	✓	✓
24	~~FS 259~~	~~3~~	~~C~~	1			✓					✓		6/13/2025	1015	✓	✓	✓
24 25	FS 260	3	C	1			✓					✓		6/13/2025	1045	✓	✓	✓
25 26	FS 261	3	C	1			✓					✓		6/13/2025	1048	✓	✓	✓
26 27	FS 283	3	C	1			✓					✓		6/13/2025	1054	✓	✓	✓
27 28	FS 284	3	C	1			✓					✓		6/13/2025	1057	✓	✓	✓
28 29	FS 285	3	C	1			✓					✓		6/13/2025	1100	✓	✓	✓
29 30	FS 286	3	C	1			✓					✓		6/13/2025	1221	✓	✓	✓

AP 10/6/25

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.

Relinquished By:	Date: 6.16.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1200		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.6	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☐
FORM-006 R 3.6 02/12/25	Corrected Temp. °C 2.9			Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 850 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
30 31	FS 287	3	C	1			✓					✓		6/13/2025	1224	✓	✓	✓
31 32	FS 289	3	C	1			✓					✓		6/13/2025	1206	✓	✓	✓
32 33	FS 293	3	C	1			✓					✓		6/13/2025	1227	✓	✓	✓
33 34	FS 294	3	C	1			✓					✓		6/13/2025	1212	✓	✓	✓
34 35	FS 295	3	C	1			✓					✓		6/13/2025	1215	✓	✓	✓
35 36	FS 296	3	C	1			✓					✓		6/13/2025	1209	✓	✓	✓
36 37	FS 297	3	C	1			✓					✓		6/13/2025	1230	✓	✓	✓
37 38	FS 22	3	C	1			✓					✓		6/13/2025	1057	✓	✓	✓
38 39	FS 23	3	C	1			✓					✓		6/13/2025	1333	✓	✓	✓
39 40	FS 24	3	C	1			✓					✓		6/13/2025	1336	✓	✓	✓

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.

Relinquished By:	**Date:** 6.16.25 **Time:** 1200	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 20.1
Corrected Temp. °C 20.3

Sample Condition: Cool ☐ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) AD

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 851 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	State: TX Zip: 79701	Attn: Connor Walker
Phone #:	432-296-0627	Fax #:	Address: 4801 Business Park Blvd
Project #:	03C2284006	Project Owner: Mewbourne	City: Hobbs
Project Name:	MOC Old Indian		State: NM Zip: 88240
Project Location:	Eddy County, NM		Phone #: 575-393-5905
Sampler Name:	Evan Roe		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H2535604																		
41	FS 25	3	C	1			✓					✓		6/13/2025	1339	✓	✓	✓
42	FS 35	3	C	1			✓					✓		6/13/2025	1342	✓	✓	✓
43	FS 36	3	C	1			✓					✓		6/13/2025	1345	✓	✓	✓
44	FS 37	3	C	1			✓					✓		6/13/2025	1400	✓	✓	✓
45	FS 59	3	C	1			✓					✓		6/13/2025	1410	✓	✓	✓
46	FS 1.5	3.5	C	1			✓					✓		6/13/2025	1500	✓	✓	✓
47	FS 28.5	6.5 ~~4.5~~	C	1			✓					✓		6/13/2025	1505	✓	✓	✓
48	FS 147.5	3	C	1			✓					✓		6/13/2025	1218	✓	✓	✓
49	FS 181	3	C	1			✓					✓		6/13/2025	900	✓	✓	✓
~~50~~																		

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.

Relinquished By:	Date: 6.16.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1200		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408 †sample ID + depths corrected per client. 6.23.25

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 26	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) DA	Turnaround Time: ☐ Standard ☐ Rush
FORM-006 R 3.6 02/12/25	Corrected Temp. °C 29			Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C ____ Corrected Temp. °C ____

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 24, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/17/25 13:35.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 259 2 (H253600-01)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	06/18/2025	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	06/18/2025	ND	214	107	200	1.48	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	202	101	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *81.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 289 2 (H253600-02)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/18/2025	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	06/18/2025	ND	214	107	200	1.48	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	202	101	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *96.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 290 2 (H253600-03)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-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	06/18/2025	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	06/18/2025	ND	214	107	200	1.48	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	202	101	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 291 2 (H253600-04)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/18/2025	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	06/18/2025	ND	214	107	200	1.48	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	202	101	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 292 2 (H253600-05)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/18/2025	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	06/18/2025	ND	214	107	200	1.48	
DRO >C10-C28*	**26.3**	10.0	06/18/2025	ND	202	101	200	1.68	
EXT DRO >C28-C36	**18.1**	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 298 2 (H253600-06)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/18/2025	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	06/18/2025	ND	214	107	200	1.48	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	202	101	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *89.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 299 2 (H253600-07)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/18/2025	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	06/18/2025	ND	214	107	200	1.48	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	202	101	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *98.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 300 2 (H253600-08)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	06/18/2025	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	06/23/2025	ND	214	107	200	1.48	
DRO >C10-C28*	<10.0	10.0	06/23/2025	ND	202	101	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	06/23/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 301 2 (H253600-09)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**800**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *75.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 302 2 (H253600-10)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *84.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 303 ## 2 (H253600-11)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *78.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 305 ## 2 (H253600-12)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *79.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 306 ## 2 (H253600-13)

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	06/19/2025	ND	1.82	91.1	2.00	0.222	
Toluene*	<0.050	0.050	06/19/2025	ND	1.99	99.5	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.83	91.4	2.00	0.872	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.50	91.6	6.00	1.06	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *93.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 307 ## 2 (H253600-14)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *83.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 309 ## 2 (H253600-15)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1340**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 310 ## 2 (H253600-16)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *82.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 311 ## 2 (H253600-17)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 312 ## 2 (H253600-18)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *83.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 313 ## 2 (H253600-19)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 314 ## 2 (H253600-20)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *84.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 316 2 (H253600-21)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1090**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 317 2 (H253600-22)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**992**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *82.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 318 2 (H253600-23)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *91.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 319 2 (H253600-24)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *93.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 320 2 (H253600-25)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *91.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 321 2 (H253600-26)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *91.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 323 2 (H253600-27)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1300**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *92.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 324 2 (H253600-28)

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	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/18/2025	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	06/18/2025	ND	190	95.2	200	0.0683	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	189	94.4	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *95.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 325 2 (H253600-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *89.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 326 2 (H253600-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *98.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *100 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 327 2 (H253600-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**848**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *95.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 329 2 (H253600-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *94.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 330 2 (H253600-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.79	89.7	2.00	0.0434	
Toluene*	<0.050	0.050	06/19/2025	ND	1.92	96.0	2.00	0.196	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.97	98.3	2.00	0.590	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	5.97	99.5	6.00	0.533	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 331 2 (H253600-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *95.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 332 2 (H253600-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 333 2 (H253600-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 334 2 (H253600-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *107 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 335 2 (H253600-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *111 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 337 2 (H253600-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 338 2 (H253600-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *93.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 339 2 (H253600-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	**10.2**	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *94.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 340 2 (H253600-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *84.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 343 2 (H253600-43)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 344 2 (H253600-44)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 345 2 (H253600-45)

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	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *96.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 346 2 (H253600-46)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *99.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/17/2025	Sampling Date:	06/16/2025
Reported:	06/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 347 2 (H253600-47)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTEX	<0.300	0.300	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/18/2025	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	06/18/2025	ND	180	89.8	200	2.24	
DRO >C10-C28*	**11.2**	10.0	06/18/2025	ND	194	96.8	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane *98.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253600																		
1	FS 259	2	C	1			✓					✓		6/16/2025	945	✓	✓	✓
2	FS 289	2	C	1			✓					✓		6/16/2025	948	✓	✓	✓
3	FS 290	2	C	1			✓					✓		6/16/2025	951	✓	✓	✓
4	FS 291	2	C	1			✓					✓		6/16/2025	954	✓	✓	✓
5	FS 292	2	C	1			✓					✓		6/16/2025	957	✓	✓	✓
6	FS 298	2	C	1			✓					✓		6/16/2025	1003	✓	✓	✓
7	FS 299	2	C	1			✓					✓		6/16/2025	1000	✓	✓	✓
8	FS 300	2	C	1			✓					✓		6/16/2025	1006	✓	✓	✓
9	FS 301	2	C	1			✓					✓		6/16/2025	1009	✓	✓	✓
10	FS 302	2	C	1			✓					✓		6/16/2025	1012	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 6.17.25 Time: 1335	Received By: S Rodriguez	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 1.4
Corrected Temp. °C 1.7

Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 902 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253600																		
11	FS 303 ##	2	C	1			✓					✓		6/16/2025	1015	✓	✓	✓
12	FS 305 ##	2	C	1			✓					✓		6/16/2025	1103	✓	✓	✓
13	FS 306 ##	2	C	1			✓					✓		6/16/2025	1045	✓	✓	✓
14	FS 307 ##	2	C	1			✓					✓		6/16/2025	1048	✓	✓	✓
15	FS 309 ##	2	C	1			✓					✓		6/16/2025	1051	✓	✓	✓
16	FS 310 ##	2	C	1			✓					✓		6/16/2025	1018	✓	✓	✓
17	FS 311 ##	2	C	1			✓					✓		6/16/2025	1021	✓	✓	✓
18	FS 312 ##	2	C	1			✓					✓		6/16/2025	1323	✓	✓	✓
19	FS 313 ##	2	C	1			✓					✓		6/16/2025	1345	✓	✓	✓
20	FS 314 ##	2	C	1			✓					✓		6/16/2025	1054	✓	✓	✓

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 consequental 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.

Relinquished By:	Date: 6-17-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1335		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 1.4	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.7	☐ Yes ☐ Yes ☐ No ☐ No	SR	Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 903 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253600																		
21	FS 316	2	C	1			✓					✓		6/16/2025	1329	✓	✓	✓
22	FS 317	2	C	1			✓					✓		6/16/2025	1024	✓	✓	✓
23	FS 318	2	C	1			✓					✓		6/16/2025	1027	✓	✓	✓
24	FS 319	2	C	1			✓					✓		6/16/2025	1112	✓	✓	✓
25	FS 320	2	C	1			✓					✓		6/16/2025	1115	✓	✓	✓
26	FS 321	2	C	1			✓					✓		6/16/2025	1057	✓	✓	✓
27	FS 323	2	C	1			✓					✓		6/16/2025	1100	✓	✓	✓
28	FS 324	2	C	1			✓					✓		6/16/2025	1030	✓	✓	✓
29	FS 325	2	C	1			✓					✓		6/16/2025	1033	✓	✓	✓
30	FS 326	2	C	1			✓					✓		6/16/2025	1118	✓	✓	✓

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.

Relinquished By:	Date: 6-17-25	Received By:	
Relinquished By:	Time: 1335	Received By:	
Delivered By: (Circle One)	Observed Temp. °C 1.4	Sample Condition Cool Yes / No; Intact Yes / No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.2		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool Yes / No; Intact Yes / No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 904 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253600																		
31	FS 327	2	C	1			✓					✓		6/16/2025	1332	✓	✓	✓
32	FS 329	2	C	1			✓					✓		6/16/2025	1348	✓	✓	✓
33	FS 330	2	C	1			✓					✓		6/16/2025	1406	✓	✓	✓
34	FS 331	2	C	1			✓					✓		6/16/2025	1409	✓	✓	✓
35	FS 332	2	C	1			✓					✓		6/16/2025	1439	✓	✓	✓
36	FS 333	2	C	1			✓					✓		6/16/2025	1354	✓	✓	✓
37	FS 334	2	C	1			✓					✓		6/16/2025	1357	✓	✓	✓
38	FS 335	2	C	1			✓					✓		6/16/2025	1400	✓	✓	✓
39	FS 337	2	C	1			✓					✓		6/16/2025	1154	✓	✓	✓
40	FS 338	2	C	1			✓					✓		6/16/2025	1442	✓	✓	✓

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.

Relinquished By:	Date: 6.17.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1335		All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 1.4
Corrected Temp. °C 1.7

Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253600																		
41	FS 339	2	C	1			✓					✓		6/16/2025	1335	✓	✓	✓
42	FS 340	2	C	1			✓					✓		6/16/2025	1157	✓	✓	✓
43	FS 343	2	C	1			✓					✓		6/16/2025	1436	✓	✓	✓
44	FS 344	2	C	1			✓					✓		6/16/2025	1600	✓	✓	✓
45	FS 345	2	C	1			✓					✓		6/16/2025	1427	✓	✓	✓
46	FS 346	2	C	1			✓					✓		6/16/2025	1430	✓	✓	✓
47	FS 347	2	C	1			✓					✓		6/16/2025	1200	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 6.17.25 Time: 1335	Received By: Shodriguez	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	Observed Temp. °C 1.4 Corrected Temp. °C 1.7	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool Intact
☐ Yes ☐ Yes
☐ No ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 25, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/19/25 13:20.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 211 2' (H253664-01)

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	06/21/2025	ND	2.25	112	2.00	2.51	
Toluene*	<0.050	0.050	06/21/2025	ND	2.20	110	2.00	1.12	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.24	112	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.93	116	6.00	2.55	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *70.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 212 2' (H253664-02)

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	06/21/2025	ND	2.25	112	2.00	2.51	
Toluene*	<0.050	0.050	06/21/2025	ND	2.20	110	2.00	1.12	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.24	112	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.93	116	6.00	2.55	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *68.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 216 2' (H253664-03)

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	06/21/2025	ND	2.25	112	2.00	2.51	
Toluene*	<0.050	0.050	06/21/2025	ND	2.20	110	2.00	1.12	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.24	112	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.93	116	6.00	2.55	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *67.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 217 2' (H253664-04)

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	06/21/2025	ND	2.25	112	2.00	2.51	
Toluene*	<0.050	0.050	06/21/2025	ND	2.20	110	2.00	1.12	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.24	112	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.93	116	6.00	2.55	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *69.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 218 2' (H253664-05)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *85.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 221 2' (H253664-06)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *63.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *59.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 222 2' (H253664-07)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *71.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 223 2' (H253664-08)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *67.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 226 2' (H253664-09)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *64.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 227 2' (H253664-10)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *58.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *55.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 228 2' (H253664-11)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *53.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *50.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 288 1' (H253664-12)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *56.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *53.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 349 2' (H253664-13)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *63.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *60.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 350 2' (H253664-14)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *66.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *63.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 351 2' (H253664-15)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *66.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 352 2' (H253664-16)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *64.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *60.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 353 2' (H253664-17)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *67.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 354 2' (H253664-18)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/20/2025	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	06/20/2025	ND	215	107	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	207	104	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *75.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 355 2' (H253664-19)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *72.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 356 2' (H253664-20)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *85.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 357 2' (H253664-21)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *63.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 358 2' (H253664-22)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 359 2' (H253664-23)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 360 2' (H253664-24)

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	06/21/2025	ND	2.01	101	2.00	0.422	
Toluene*	<0.050	0.050	06/21/2025	ND	2.06	103	2.00	0.452	
Ethylbenzene*	<0.050	0.050	06/21/2025	ND	2.07	103	2.00	0.797	
Total Xylenes*	<0.150	0.150	06/21/2025	ND	6.45	108	6.00	1.91	
Total BTEX	<0.300	0.300	06/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 27 0-6' (H253664-25)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *79.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 28 0-6' (H253664-26)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *80.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 29 0-6' (H253664-27)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *86.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 30 0-7.5' (H253664-28)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *86.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253664-1	FS 211	2	C	1			✓					✓		6/17/2025	1112	✓	✓	✓
2	FS 212	2	C	1			✓					✓		6/17/2025	1115	✓	✓	✓
3	FS 216	2	C	1			✓					✓		6/17/2025	1118	✓	✓	✓
4	FS 217	2	C	1			✓					✓		6/17/2025	1121	✓	✓	✓
5	FS 218	2	C	1			✓					✓		6/17/2025	1124	✓	✓	✓
6	FS 221	2	C	1			✓					✓		6/17/2025	1127	✓	✓	✓
7	FS 222	2	C	1			✓					✓		6/17/2025	1130	✓	✓	✓
8	FS 223	2	C	1			✓					✓		6/17/2025	1133	✓	✓	✓
9	FS 226	2	C	1			✓					✓		6/17/2025	1233	✓	✓	✓
10	FS 227	2	C	1			✓					✓		6/17/2025	1236	✓	✓	✓

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.

Relinquished By:	Date: 6-19-25	Received By:	
	Time: 1320		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

FORM-006 R 3.6 02/12/25

Observed Temp. °C 2.8

Corrected Temp. °C 3.1

Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 937 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253664																		
11	FS 228	2	C	1			✓					✓		6/17/2025	1239	✓	✓	✓
12	FS 288	1	C	1			✓					✓		6/17/2025	1400	✓	✓	✓
13	FS 349	2	C	1			✓					✓		6/17/2025	1248	✓	✓	✓
14	FS 350	2	C	1			✓					✓		6/17/2025	1021	✓	✓	✓
15	FS 351	2	C	1			✓					✓		6/17/2025	1024	✓	✓	✓
16	FS 352	2	C	1			✓					✓		6/17/2025	1027	✓	✓	✓
17	FS 353	2	C	1			✓					✓		6/17/2025	1030	✓	✓	✓
18	FS 354	2	C	1			✓					✓		6/17/2025	1033	✓	✓	✓
19	FS 355	2	C	1			✓					✓		6/17/2025	1000	✓	✓	✓
20	FS 356	2	C	1			✓					✓		6/17/2025	1003	✓	✓	✓

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.

Relinquished By:	Date: 6.19.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1320		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408
Delivered By: (Circle One)	Observed Temp. °C 2.8	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.1		Turnaround Time: Standard ☑ Rush ☐
FORM-006 R 3.6 02/12/25			Thermometer ID #140 Correction Factor +0.3°C
			Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 938 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253664												✓						
21	FS 357	2	C	1			✓					✓		6/17/2025	1006	✓	✓	✓
22	FS 358	2	C	1			✓					✓		6/17/2025	1009	✓	✓	✓
23	FS 359	2	C	1			✓					✓		6/17/2025	1012	✓	✓	✓
24	FS 360	2	C	1			✓					✓		6/17/2025	1015	✓	✓	✓
25	SW 27	0- 6	C	1			✓					✓		6/17/2025	1100	✓	✓	✓
26	SW 28	0- 6	C	1			✓					✓		6/17/2025	1103	✓	✓	✓
27	SW 29	0- 6	C	1			✓					✓		6/17/2025	1245	✓	✓	✓
28	SW 30	0- 7.5	C	1			✓					✓		6/17/2025	1109	✓	✓	✓

LEASE 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.

Relinquished By: Date: 6-19-25 Time: 1320 Received By: Shodriguez

Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 2.8 Corrected Temp. °C 3.1

Sample Condition: Cool Yes / No; Intact Yes / No

CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool Yes / No; Intact Yes / No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.6 02/12/25

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 25, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/19/25 13:20.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 262 2' (H253665-01)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *73.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 263 2' (H253665-02)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *70.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 264 2' (H253665-03)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/20/2025	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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *73.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 265 2' (H253665-04)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *77.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 266 2' (H253665-05)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *78.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 267 2' (H253665-06)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 268 2' (H253665-07)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *82.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 269 2' (H253665-08)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *73.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 270 2' (H253665-09)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *75.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 271 2' (H253665-10)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	198	99.0	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	189	94.7	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *91.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 272 2' (H253665-11)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *60.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *59.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 277 2' (H253665-13)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *86.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 278 2' (H253665-14)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *95.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 279 2' (H253665-15)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *88.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 280 2' (H253665-16)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *85.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 281 2' (H253665-17)

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	06/23/2025	ND	2.14	107	2.00	2.38	
Toluene*	<0.050	0.050	06/23/2025	ND	2.07	104	2.00	1.46	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.13	106	2.00	0.847	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.60	110	6.00	0.760	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *88.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 282 2' (H253665-18)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *92.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 304 1' (H253665-19)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *90.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 308 1.5' (H253665-20)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *95.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 315 1.5' (H253665-21)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 322 1.5' (H253665-22)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *77.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 328 1.5' (H253665-23)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *85.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 336 1.5' (H253665-24)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/20/2025	ND	400	100	400	3.92	

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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 341 1.5' (H253665-25)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/23/2025	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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *94.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 342 1.5' (H253665-26)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/23/2025	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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *95.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 361 2' (H253665-27)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/23/2025	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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	**13.3**	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *90.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 362 2' (H253665-28)

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	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/23/2025	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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *88.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 363 2' (H253665-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/23/2025	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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *85.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 364 2' (H253665-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/23/2025	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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *84.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 365 2' (H253665-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/23/2025	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	06/20/2025	ND	217	109	200	2.00	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	198	98.9	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *92.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 366 2' (H253665-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	06/23/2025	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	06/20/2025	ND	212	106	200	3.55	
DRO >C10-C28*	**20.9**	10.0	06/20/2025	ND	197	98.6	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *61.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *61.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 367 2' (H253665-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2050**	16.0	06/23/2025	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	06/20/2025	ND	212	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	197	98.6	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *64.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *63.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 368 2' (H253665-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/23/2025	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	06/20/2025	ND	212	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	197	98.6	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *72.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 370 2' (H253665-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	06/23/2025	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	06/20/2025	ND	212	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	197	98.6	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *80.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 373 2' (H253665-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/23/2025	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	06/20/2025	ND	212	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	197	98.6	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *76.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 374 2' (H253665-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	1.89	94.3	2.00	2.36	
Toluene*	<0.050	0.050	06/23/2025	ND	1.92	95.9	2.00	4.19	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	1.90	95.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	5.74	95.7	6.00	0.237	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/23/2025	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	06/20/2025	ND	212	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	197	98.6	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *83.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 375 2' (H253665-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2025	ND	2.01	101	2.00	4.55	
Toluene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	4.65	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.08	104	2.00	4.82	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.14	102	6.00	4.33	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	06/23/2025	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	06/20/2025	ND	212	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	197	98.6	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane *76.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 978 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253665																		
1	FS 262	2	C	1			✓					✓		6/18/2025	921	✓	✓	✓
2	FS 263	2	C	1			✓					✓		6/18/2025	1000	✓	✓	✓
3	FS 264	2	C	1			✓					✓		6/18/2025	1003	✓	✓	✓
4	FS 265	2	C	1			✓					✓		6/18/2025	1006	✓	✓	✓
5	FS 266	2	C	1			✓					✓		6/18/2025	1009	✓	✓	✓
6	FS 267	2	C	1			✓					✓		6/18/2025	1012	✓	✓	✓
7	FS 268	2	C	1			✓					✓		6/18/2025	924	✓	✓	✓
8	FS 269	2	C	1			✓					✓		6/18/2025	927	✓	✓	✓
9	FS 270	2	C	1			✓					✓		6/18/2025	930	✓	✓	✓
10	FS 271	2	C	1			✓					✓		6/18/2025	933	✓	✓	✓

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.

Relinquished By:	Date: 6-19-25 Time: 1320	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	Observed Temp. °C 2.8 Corrected Temp. °C 3.1	Sample Condition Cool Yes / No Intact Yes / No	CHECKED BY: (Initials) SK

REMARKS: NAPP2505952408

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool Yes / No Intact Yes / No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 979 of 1704

Page 41 of 43

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland State: TX Zip: 79701	Attn:	Connor Walker
Phone #:	432-296-0627 Fax #:	Address:	4801 Business Park Blvd
Project #:	03C2284006 Project Owner: Mewbourne	City:	Hobbs
Project Name:	MOC Old Indian	State: NM Zip:	88240
Project Location:	Eddy County, NM	Phone #:	575-393-5905
Sampler Name:	Evan Roe	Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253665																		
11	FS 272	2	C	1			✓					✓		6/18/2025	936	✓	✓	✓
~~12~~	~~FS 273~~	~~2~~	~~C~~	~~1~~			~~✓~~					~~✓~~		~~6/18/2025~~	~~939~~	~~✓~~	~~✓~~	~~✓~~
13	FS 277	2	C	1			✓					✓		6/18/2025	903	✓	✓	✓
14	FS 278	2	C	1			✓					✓		6/18/2025	906	✓	✓	✓
15	FS 279	2	C	1			✓					✓		6/18/2025	909	✓	✓	✓
16	FS 280	2	C	1			✓					✓		6/18/2025	912	✓	✓	✓
17	FS 281	2	C	1			✓					✓		6/18/2025	915	✓	✓	✓
18	FS 282	2	C	1			✓					✓		6/18/2025	918	✓	✓	✓
19	FS 304	1	C	1			✓					✓		6/18/2025	1015	✓	✓	✓
20	FS 308	1.5	C	1			✓					✓		6/18/2025	830	✓	✓	✓

NO Sample Tx 6/19/25

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.

Relinquished By:	Date: 6-19-25 Time: 1320	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address: jreich@ensolum.com
			tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 2-8-
Corrected Temp. °C 3.1

Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SB

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	State: TX Zip: 79701	Attn: Connor Walker
Phone #:	432-296-0627	Fax #:	Address: 4801 Business Park Blvd
Project #:	03C2284006	Project Owner: Mewbourne	City: Hobbs
Project Name:	MOC Old Indian		State: NM Zip: 88240
Project Location:	Eddy County, NM		Phone #: 575-393-5905
Sampler Name:	Evan Roe		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253605																		
21	FS 315	1.5	C	1			✓					✓		6/18/2025	833	✓	✓	✓
22	FS 322	1.5	C	1			✓					✓		6/18/2025	900	✓	✓	✓
23	FS 328	1.5	C	1			✓					✓		6/18/2025	839	✓	✓	✓
24	FS 336	1.5	C	1			✓					✓		6/18/2025	842	✓	✓	✓
25	FS 341	1.5	C	1			✓					✓		6/18/2025	845	✓	✓	✓
26	FS 342	1.5	C	1			✓					✓		6/18/2025	848	✓	✓	✓
27	FS 361	1	C	1			✓					✓		6/18/2025	1300	✓	✓	✓
28	FS 362	1	C	1			✓					✓		6/18/2025	1303	✓	✓	✓
29	FS 363	1	C	1			✓					✓		6/18/2025	1306	✓	✓	✓
30	FS 364	1	C	1			✓					✓		6/18/2025	1309	✓	✓	✓

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.

Relinquished By:	Date: 09.25 Time: 1320	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: ireich@ensolum.com tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
			REMARKS: NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.8	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.1	☐ Yes ☐ Yes ☐ No ☐ No		Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 981 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253665																		
31	FS 365	2	C	1			✓					✓		6/18/2025	1312	✓	✓	✓
32	FS 366	2	C	1			✓					✓		6/18/2025	1318	✓	✓	✓
33	FS 367	2	C	1			✓					✓		6/18/2025	1321	✓	✓	✓
34	FS 368	2	C	1			✓					✓		6/18/2025	1315	✓	✓	✓
35	FS 370	2	C	1			✓					✓		6/18/2025	1327	✓	✓	✓
36	FS 373	2	C	1			✓					✓		6/18/2025	1336	✓	✓	✓
37	FS 374	2	C	1			✓					✓		6/18/2025	1339	✓	✓	✓
38	FS 375	2	C	1			✓					✓		6/18/2025	1342	✓	✓	✓

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.

Relinquished By:	Date: 6.19.25 Time: 1320	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: ireich@ensolum.com tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
			REMARKS: NAPP2505952408
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.8 Corrected Temp. °C 3.1	Sample Condition Cool Intact ☑ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) SB
FORM-006 R 3.6 02/12/25			Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C
			Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 27, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/23/25 12:18.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 391 2 (H253745-01)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *80.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/21/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 392 2 (H253745-02)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *68.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 393 2 (H253745-03)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *79.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 394 2 (H253745-04)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *66.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *60.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 395 2 (H253745-05)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *76.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 396 2 (H253745-06)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *73.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 397 2 (H253745-07)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *81.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 398 2 (H253745-08)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *77.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 399 2 (H253745-09)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *77.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 400 2 (H253745-10)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *74.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 401 2 (H253745-11)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *79.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 402 2 (H253745-12)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 403 2 (H253745-13)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *81.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 404 2 (H253745-14)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *70.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 405 2 (H253745-15)

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	06/26/2025	ND	2.12	106	2.00	1.13	
Toluene*	<0.050	0.050	06/26/2025	ND	2.07	103	2.00	1.54	
Ethylbenzene*	<0.050	0.050	06/26/2025	ND	2.15	108	2.00	2.27	
Total Xylenes*	<0.150	0.150	06/26/2025	ND	6.72	112	6.00	1.55	
Total BTEX	<0.300	0.300	06/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *82.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 406 2 (H253745-16)

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	06/26/2025	ND	2.12	106	2.00	1.13	
Toluene*	<0.050	0.050	06/26/2025	ND	2.07	103	2.00	1.54	
Ethylbenzene*	<0.050	0.050	06/26/2025	ND	2.15	108	2.00	2.27	
Total Xylenes*	<0.150	0.150	06/26/2025	ND	6.72	112	6.00	1.55	
Total BTEX	<0.300	0.300	06/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	**13.8**	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *89.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 407 2 (H253745-17)

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	06/26/2025	ND	2.12	106	2.00	1.13	
Toluene*	<0.050	0.050	06/26/2025	ND	2.07	103	2.00	1.54	
Ethylbenzene*	<0.050	0.050	06/26/2025	ND	2.15	108	2.00	2.27	
Total Xylenes*	<0.150	0.150	06/26/2025	ND	6.72	112	6.00	1.55	
Total BTEX	<0.300	0.300	06/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *90.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 408 2 (H253745-18)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *66.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 409 2 (H253745-19)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	**16.6**	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *74.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 410 2 (H253745-20)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *84.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 411 3 (H253745-21)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *88.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 412 3 (H253745-22)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *95.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 413 3 (H253745-23)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *90.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 414 3 (H253745-24)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *77.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 415 3 (H253745-25)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *87.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 416 3 (H253745-26)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**704**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 417 3 (H253745-27)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 418 3 (H253745-28)

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	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *88.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 419 3 (H253745-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 420 3 (H253745-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/24/2025	ND	400	100	400	3.92	

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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *82.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 421 3 (H253745-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/25/2025	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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *97.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 422 3 (H253745-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/25/2025	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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *86.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 423 3 (H253745-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/25/2025	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	06/24/2025	ND	199	99.5	200	3.01	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	217	108	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *89.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 424 3 (H253745-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	5.10	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	5.36	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.48	108	6.00	5.00	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *70.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 425 3 (H253745-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2025	ND	2.12	106	2.00	1.13	
Toluene*	<0.050	0.050	06/26/2025	ND	2.07	103	2.00	1.54	
Ethylbenzene*	<0.050	0.050	06/26/2025	ND	2.15	108	2.00	2.27	
Total Xylenes*	<0.150	0.150	06/26/2025	ND	6.72	112	6.00	1.55	
Total BTEX	<0.300	0.300	06/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *78.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 426 3 (H253745-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.09	105	2.00	1.28	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	7.01	117	6.00	0.563	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *78.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 427 3 (H253745-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.09	105	2.00	1.28	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	7.01	117	6.00	0.563	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *80.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 428 3 (H253745-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 429 3 (H253745-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *80.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 430 3 (H253745-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *84.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 206 3.5 (H253745-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *78.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 234 3.5 (H253745-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *76.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1026 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY							MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.			Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253745																All 6/20/2025				
1	FS	391		2	C	1			✓					✓		6/20/2025	930	✓	✓	✓
2	FS	392		2	C	1			✓					✓		6/20/2025	1342	✓	✓	✓
3	FS	393		2	C	1			✓					✓		6/20/2025	936	✓	✓	✓
4	FS	394		2	C	1			✓					✓		6/20/2025	939	✓	✓	✓
5	FS	395		2	C	1			✓					✓		6/20/2025	942	✓	✓	✓
6	FS	396		2	C	1			✓					✓		6/20/2025	945	✓	✓	✓
7	FS	397		2	C	1			✓					✓		6/20/2025	948	✓	✓	✓
8	FS	398		2	C	1			✓					✓		6/20/2025	951	✓	✓	✓
9	FS	399		2	C	1			✓					✓		6/20/2025	954	✓	✓	✓
10	FS	400		2	C	1			✓					✓		6/20/2025	957	✓	✓	✓

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.

Relinquished By:	Date: 6.23.25	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Evan R	Time: 1218		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	**Received By:**	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
	Time:		jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
			REMARKS: NAPP2505952408

Delivered By: (Circle One)	**Observed Temp. °C** 0.2	**Sample Condition** Cool ☑ Yes ☐ No / Intact ☐ Yes ☐ No	**CHECKED BY: (Initials)** AP	**Turnaround Time:** Standard ☑ / Rush ☐
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 2.5			Thermometer ID #140
FORM-006 R 3.6 02/12/25				Correction Factor +0.3°C

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No / Observed Temp. °C / Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1027 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	State: TX Zip: 79701	Attn: Connor Walker
Phone #:	432-296-0627	Fax #:	Address: 4801 Business Park Blvd
Project #:	03C2284006	Project Owner: Mewbourne	City: Hobbs
Project Name:	MOC Old Indian		State: NM Zip: 88240
Project Location:	Eddy County, NM		Phone #: 575-393-5905
Sampler Name:	Evan Roe		Fax #:

FOR LAB USE ONLY	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE (all 6/20/25)	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
Lab I.D. H253745																		
11	FS 401	2	C	1			✓					✓		6/20/2025	1000	✓	✓	✓
12	FS 402	2	C	1			✓					✓		6/20/2025	1003	✓	✓	✓
13	FS 403	2	C	1			✓					✓		6/20/2025	1006	✓	✓	✓
14	FS 404	2	C	1			✓					✓		6/20/2025	1009	✓	✓	✓
15	FS 405	2	C	1			✓					✓		6/20/2025	1012	✓	✓	✓
16	FS 406	2	C	1			✓					✓		6/20/2025	1015	✓	✓	✓
17	FS 407	2	C	1			✓					✓		6/20/2025	1018	✓	✓	✓
18	FS 408	2	C	1			✓					✓		6/20/2025	1021	✓	✓	✓
19	FS 409	2	C	1			✓					✓		6/20/2025	1024	✓	✓	✓
20	FS 410	2	C	1			✓					✓		6/20/2025	1045	✓	✓	✓

ANALYSIS REQUEST

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.

Relinquished By:	Date: 6-23-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Time: 1218	Received By:	All Results are emailed. Please provide Email address: ireich@ensolum.com
	Date:		tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
	Time:		jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
			REMARKS: NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.2	Sample Condition Cool ☑ Yes ☐ No Intact ☐ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☐ Standard ☑ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.5			Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1028 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE (all 6/20/25)	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253745																		
21	FS 411	3	C	1			✓					✓		6/20/2025	1130	✓	✓	✓
22	FS 412	3	C	1			✓					✓		6/20/2025	1133	✓	✓	✓
23	FS 413	3	C	1			✓					✓		6/20/2025	1351	✓	✓	✓
24	FS 414	3	C	1			✓					✓		6/20/2025	1139	✓	✓	✓
25	FS 415	3	C	1			✓					✓		6/20/2025	1142	✓	✓	✓
26	FS 416	3	C	1			✓					✓		6/20/2025	1145	✓	✓	✓
27	FS 417	3	C	1			✓					✓		6/20/2025	1148	✓	✓	✓
28	FS 418	3	C	1			✓					✓		6/20/2025	1151	✓	✓	✓
29	FS 419	3	C	1			✓					✓		6/20/2025	1230	✓	✓	✓
30	FS 420	3	C	1			✓					✓		6/20/2025	1233	✓	✓	✓

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.

Relinquished By:	Date: 4.23.25	Received By:	
Relinquished By:	Time: 1218	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 22	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time:	Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 25	☐ Yes ☑ Yes ☐ No ☐ No		Thermometer ID #140 Correction Factor +0.3°C	Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1029 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253745														CH 6/20/25				
31	FS 421	3	C	1			✓					✓		6/20/2025	1236	✓	✓	✓
32	FS 422	3	C	1			✓					✓		6/20/2025	1239	✓	✓	✓
33	FS 423	3	C	1			✓					✓		6/20/2025	1242	✓	✓	✓
34	FS 424	3	C	1			✓					✓		6/20/2025	1245	✓	✓	✓
35	FS 425	3	C	1			✓					✓		6/20/2025	1248	✓	✓	✓
36	FS 426	3	C	1			✓					✓		6/20/2025	1251	✓	✓	✓
37	FS 427	3	C	1			✓					✓		6/20/2025	1330	✓	✓	✓
38	FS 428	3	C	1			✓					✓		6/20/2025	1333	✓	✓	✓
39	FS 429	3	C	1			✓					✓		6/20/2025	1336	✓	✓	✓
40	FS 430	3	C	1			✓					✓		6/20/2025	1339	✓	✓	✓

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.

Relinquished By:	Date: 6.23.25	Received By:	
Relinquished By:	Time: 1218	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 22	Sample Condition Cool: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time:	Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 25.1	Intact: ☑ Yes ☐ No		Thermometer ID #140 Correction Factor +0.3°C	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1030 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253745†																		
41	FS 206	3.5 ft	C	1			✓					✓		6/20/2025	1345	✓	✓	✓
42	FS 234	3.5 ft	C	1			✓					✓		6/20/2025	1348	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 6.23.25 Time: 1318	Received By:	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 22.0
Corrected Temp. °C 2.5

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) AP

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 27, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/23/25 12:18.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 273 3' (H253746-01)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *79.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 274 3' (H253746-02)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *72.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 275 3' (H253746-03)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *76.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 276 3' (H253746-04)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *70.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 377 2' (H253746-05)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *79.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 378 2' (H253746-06)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *65.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *60.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 379 2' (H253746-07)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *73.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 380 2' (H253746-08)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	06/25/2025	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *73.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 381 2' (H253746-09)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	06/25/2025	ND	400	100	400	7.69	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	06/24/2025	ND	233	117	200	5.64	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	221	110	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *74.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 382 2' (H253746-10)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	212	106	200	4.16	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	202	101	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *77.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 383 2' (H253746-11)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	212	106	200	4.16	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	202	101	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *78.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 384 2' (H253746-12)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *81.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 385 2' (H253746-13)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *73.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 386 2' (H253746-14)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *75.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 387 2' (H253746-15)

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	06/25/2025	ND	2.08	104	2.00	4.83	
Toluene*	<0.050	0.050	06/25/2025	ND	2.17	108	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.18	109	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.63	111	6.00	4.55	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *80.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 389 2' (H253746-16)

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	06/25/2025	ND	2.09	105	2.00	1.28	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	7.01	117	6.00	0.563	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *83.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 390 2' (H253746-17)

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	06/25/2025	ND	2.09	105	2.00	1.28	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	7.01	117	6.00	0.563	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *84.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 31 0-3' (H253746-18)

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	06/25/2025	ND	2.09	105	2.00	1.28	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	7.01	117	6.00	0.563	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 32 0-3' (H253746-19)

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	06/25/2025	ND	2.09	105	2.00	1.28	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	7.01	117	6.00	0.563	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 35 0-3' (H253746-20)

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	06/25/2025	ND	2.09	105	2.00	1.28	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	7.01	117	6.00	0.563	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *76.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 36 0-3' (H253746-21)

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	06/25/2025	ND	2.09	105	2.00	1.28	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	7.01	117	6.00	0.563	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *72.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *63.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1054 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253746																		
1	FS 273	3	C	1			✓					✓		6/19/2025	1300	✓	✓	✓
2	FS 274	3	C	1			✓					✓		6/19/2025	1305	✓	✓	✓
3	FS 275	3	C	1			✓					✓		6/19/2025	1310	✓	✓	✓
4	FS 276	3	C	1			✓					✓		6/19/2025	1315	✓	✓	✓
5	FS 377	2	C	1			✓					✓		6/19/2025	1340	✓	✓	✓
6	FS 378	2	C	1			✓					✓		6/19/2025	1345	✓	✓	✓
7	FS 379	2	C	1			✓					✓		6/19/2025	1350	✓	✓	✓
8	FS 380	2	C	1			✓					✓		6/19/2025	1410	✓	✓	✓
9	FS 381	2	C	1			✓					✓		6/19/2025	1400	✓	✓	✓
10	FS 382	2	C	1			✓					✓		6/19/2025	1415	✓	✓	✓

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.

Relinquished By:	Date: 6-23-25	Received By:	
Relinquished By:	Time: 1218	Received By:	
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.2	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.5			Thermometer ID #140 Correction Factor +0.3°C	Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1055 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253746																		
11	FS 383	2	C	1			✓					✓		6/19/2025	1420	✓	✓	✓
12	FS 384	2	C	1			✓					✓		6/19/2025	1425	✓	✓	✓
13	FS 385	2	C	1			✓					✓		6/19/2025	1405	✓	✓	✓
14	FS 386	2	C	1			✓					✓		6/19/2025	1430	✓	✓	✓
15	FS 387	2	C	1			✓					✓		6/19/2025	1440	✓	✓	✓
16	FS 389	2	C	1			✓					✓		6/19/2025	1455	✓	✓	✓
17	FS 390	2	C	1			✓					✓		6/19/2025	1500	✓	✓	✓

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.

Relinquished By:	Date: 6.23.25	Received By:	
Relinquished By:	Time: 1918	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 32	Sample Condition Cool Yes ☐ Intact Yes ☐	CHECKED BY: (Initials)	Turnaround Time:	Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 32	No ☐ No ☐		Thermometer ID #140 Correction Factor +0.3°C	Bacteria (only) Sample Condition Cool ☐ Intact ☐ Observed Temp. °C ☐ Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1056 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253746																		
18	SW 31	0-3	C	1			✓					✓		6/19/2025	1045	✓	✓	✓
19	SW 32	0-3	C	1			✓					✓		6/19/2025	1048	✓	✓	✓
20	SW 35	0-3	C	1			✓					✓		6/19/2025	1051	✓	✓	✓
21	SW 36	0-3	C	1			✓					✓		6/19/2025	1054	✓	✓	✓

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.

Relinquished By:	Date: 6.23.25	Received By:	
Relinquished By:	Time: 1818	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.2	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☐ Standard ☑ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.5				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 02, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/26/25 13:40.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 1 0.5' (H253866-01)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 2 0.5' (H253866-02)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *86.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 3 0.5' (H253866-03)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *88.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 4 0.5' (H253866-04)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *88.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 5 0.5' (H253866-05)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *88.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 6 0.5' (H253866-06)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *90.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 7 0.5' (H253866-07)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *90.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 8 0.5' (H253866-08)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *86.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 9 0.5' (H253866-09)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *90.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 10 0.5' (H253866-10)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 11 0.5' (H253866-11)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *90.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 97 4' (H253866-12)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *89.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 388 2' (H253866-13)

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	06/27/2025	ND	1.94	96.8	2.00	4.09	
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/30/2025	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	06/27/2025	ND	190	94.8	200	2.92	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *87.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 1072 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland
State: TX	Zip: 79701
Phone #:	432-296-0627
Fax #:	
Project #:	03C2284006
Project Owner:	Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253866-1	CS 1	0.5	C	1			✓					✓		6/25/2025	1000	✓	✓	✓
2	CS 2	0.5	C	1			✓					✓		6/25/2025	1005	✓	✓	✓
3	CS 3	0.5	C	1			✓					✓		6/25/2025	1010	✓	✓	✓
4	CS 4	0.5	C	1			✓					✓		6/25/2025	1015	✓	✓	✓
5	CS 5	0.5	C	1			✓					✓		6/25/2025	1020	✓	✓	✓
6	CS 6	0.5	C	1			✓					✓		6/25/2025	1025	✓	✓	✓
7	CS 7	0.5	C	1			✓					✓		6/25/2025	1030	✓	✓	✓
8	CS 8	0.5	C	1			✓					✓		6/25/2025	1035	✓	✓	✓
9	CS 9	0.5	C	1			✓					✓		6/25/2025	1300	✓	✓	✓
10	CS 10	0.5	C	1			✓					✓		6/25/2025	1305	✓	✓	✓

ANALYSIS REQUEST

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 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 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, successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 6-26-25 Received By:

Relinquished By: Time: 1340 Received By:

Delivered By: (Circle One) Date: Time:

Sampler - UPS - Bus - Other:

FORM-006 R 3.6 02/12/25

Observed Temp. °C 0.1 Corrected Temp. °C 0.4

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com

tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140

Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1073 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland
State: TX	Zip: 79701
Phone #:	432-296-0627
Fax #:	
Project #:	03C2284006
Project Owner:	Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253866												✓						
11	CS 11	0.5	C	1			✓					✓		6/25/2025	1310	✓	✓	✓
12	FS 97	4	C	1			✓					✓		6/25/2025	1040	✓	✓	✓
13	FS 388	2	C	1			✓					✓		6/25/2025	1045	✓	✓	✓

USE 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 ses. 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 e. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, es or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 6-26-25	Received By:	
Evan R	Time: 1340	Tamara Oldaker	
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 0.1
Corrected Temp. °C 0.4

Sample Condition: Cool: Yes / No; Intact: Yes / No

CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool: Yes / No; Intact: Yes / No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 02, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/26/25 13:40.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 367 4' (H253868-01)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *72.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 371 4' (H253868-02)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	**0.087**	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *66.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *61.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 372 4' (H253868-03)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *71.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 376 4' (H253868-04)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *74.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 461 3' (H253868-05)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *70.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 464 3' (H253868-06)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *62.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *59.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 465 3' (H253868-07)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *62.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *57.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 467 3' (H253868-08)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *73.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 33 0-3' (H253868-09)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *66.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *60.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 34 0-3' (H253868-10)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/27/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *70.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 1086 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253868																		
1	FS 367	4	C	1			✓					✓		6/24/2025	1005	✓	✓	✓
2	FS 371	4	C	1			✓					✓		6/24/2025	1010	✓	✓	✓
3	FS 372	4	C	1			✓					✓		6/24/2025	1015	✓	✓	✓
4	FS 376	4	C	1			✓					✓		6/24/2025	1020	✓	✓	✓
5	FS 461	3	C	1			✓					✓		6/24/2025	1300	✓	✓	✓
6	FS 464	3	C	1			✓					✓		6/24/2025	1305	✓	✓	✓
7	FS 465	3	C	1			✓					✓		6/24/2025	1025	✓	✓	✓
8	FS 467	3	C	1			✓					✓		6/24/2025	1310	✓	✓	✓
9	SW 33	0-3	C	1			✓					✓		6/24/2025	1315	✓	✓	✓
10	SW 34	0-3	C	1			✓					✓		6/24/2025	1320	✓	✓	✓

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.

Relinquished By:	Date: 6.26.25 Time: 1340	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: ireich@ensolum.com tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	Observed Temp. °C 0.1 Corrected Temp. °C 0.4	Sample Condition Cool ☑ Yes Intact ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials)

REMARKS: NAPP2505952408

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 02, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/26/25 13:40.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 431 3 (H253869-01)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *74.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 432 3 (H253869-02)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *73.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 433 3 (H253869-03)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *69.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 434 3 (H253869-04)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *72.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 435 3 (H253869-05)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *75.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 436 3 (H253869-06)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *74.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 437 3 (H253869-07)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *68.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 438 3 (H253869-08)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *67.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 439 3 (H253869-09)

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	06/27/2025	ND	1.92	96.2	2.00	1.03	
Toluene*	<0.050	0.050	06/27/2025	ND	2.04	102	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.09	105	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.47	108	6.00	2.18	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/30/2025	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	06/27/2025	ND	198	99.1	200	5.36	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	192	96.2	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *68.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 440 3 (H253869-10)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-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	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *60.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *52.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 441 3 (H253869-11)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *67.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *57.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 442 3 (H253869-12)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *74.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *63.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 443 3 (H253869-13)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *89.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 444 3 (H253869-14)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *69.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *59.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 445 3 (H253869-15)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *74.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 446 3 (H253869-16)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *76.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 447 3 (H253869-17)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

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	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *61.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *53.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 448 3 (H253869-18)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *76.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 449 3 (H253869-19)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *72.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 450 3 (H253869-20)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	06/30/2025	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	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *64.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *56.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 451 3 (H253869-21)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *76.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 452 3 (H253869-22)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *65.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *60.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 453 3 (H253869-23)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *65.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *56.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 454 3 (H253869-24)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *79.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 455 3 (H253869-25)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *68.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *59.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 456 3 (H253869-26)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *73.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 457 3 (H253869-27)

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	06/27/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/27/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *76.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 458 3 (H253869-28)

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	06/28/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/28/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/28/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/28/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *68.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *59.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 459 3 (H253869-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2025	ND	2.08	104	2.00	4.23	
Toluene*	<0.050	0.050	06/28/2025	ND	1.88	94.2	2.00	2.21	
Ethylbenzene*	<0.050	0.050	06/28/2025	ND	1.86	92.8	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/28/2025	ND	5.82	97.0	6.00	3.96	
Total BTEX	<0.300	0.300	06/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	187	93.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	208	104	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *75.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 460 3 (H253869-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2025	ND	1.93	96.3	2.00	4.88	
Toluene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	3.07	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.7	2.00	2.92	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.88	98.0	6.00	2.87	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/30/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	213	106	200	5.66	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	215	107	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane *92.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 1119 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253869 1	FS 431	3	C	1			✓					✓		6/23/2025	945	✓	✓	✓
2	FS 432	3	C	1			✓					✓		6/23/2025	930	✓	✓	✓
3	FS 433	3	C	1			✓					✓		6/23/2025	933	✓	✓	✓
4	FS 434	3	C	1			✓					✓		6/23/2025	936	✓	✓	✓
5	FS 435	3	C	1			✓					✓		6/23/2025	939	✓	✓	✓
6	FS 436	3	C	1			✓					✓		6/23/2025	942	✓	✓	✓
7	FS 437	3	C	1			✓					✓		6/23/2025	948	✓	✓	✓
8	FS 438	3	C	1			✓					✓		6/23/2025	951	✓	✓	✓
9	FS 439	3	C	1			✓					✓		6/23/2025	1130	✓	✓	✓
10	FS 440	3	C	1			✓					✓		6/23/2025	1133	✓	✓	✓

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.

Relinquished By: Date: 6-24-25 Time: 1340 Received By:

Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 0.1 Corrected Temp. °C 0.4

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS: NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1120 of 1704

Page 34 of 35

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253869																		
11	FS 441	3	C	1			✓					✓		6/23/2025	1136	✓	✓	✓
12	FS 442	3	C	1			✓					✓		6/23/2025	1139	✓	✓	✓
13	FS 443	3	C	1			✓					✓		6/23/2025	1142	✓	✓	✓
14	FS 444	3	C	1			✓					✓		6/23/2025	1145	✓	✓	✓
15	FS 445	3	C	1			✓					✓		6/23/2025	1400	✓	✓	✓
16	FS 446	3	C	1			✓					✓		6/23/2025	1045	✓	✓	✓
17	FS 447	3	C	1			✓					✓		6/23/2025	1012	✓	✓	✓
18	FS 448	3	C	1			✓					✓		6/23/2025	1015	✓	✓	✓
19	FS 449	3	C	1			✓					✓		6/23/2025	1018	✓	✓	✓
20	FS 450	3	C	1			✓					✓		6/23/2025	1406	✓	✓	✓

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 consequental 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.

Relinquished By:	Date: 6.26.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1340		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408
Delivered By: (Circle One)	Observed Temp. °C 0.1	Sample Condition Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.4	☐ No ☐ No	Turnaround Time: Standard ☑ Rush ☐
FORM-006 R 3.6 02/12/25			Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1121 of 1704

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	State: TX Zip: 79701	Attn: Connor Walker
Phone #:	432-296-0627	Fax #:	Address: 4801 Business Park Blvd
Project #:	03C2284006	Project Owner: Mewbourne	City: Hobbs
Project Name:	MOC Old Indian		State: NM Zip: 88240
Project Location:	Eddy County, NM		Phone #: 575-393-5905
Sampler Name:	Evan Roe		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253869																		
21	FS 451	3	C	1			✓					✓		6/23/2025	1403	✓	✓	✓
22	FS 452	3	C	1			✓					✓		6/23/2025	1048	✓	✓	✓
23	FS 453	3	C	1			✓					✓		6/23/2025	1051	✓	✓	✓
24	FS 454	3	C	1			✓					✓		6/23/2025	1054	✓	✓	✓
25	FS 455	3	C	1			✓					✓		6/23/2025	1340	✓	✓	✓
26	FS 456	3	C	1			✓					✓		6/23/2025	1003	✓	✓	✓
27	FS 457	3	C	1			✓					✓		6/23/2025	954	✓	✓	✓
28	FS 458	3	C	1			✓					✓		6/23/2025	957	✓	✓	✓
29	FS 459	3	C	1			✓					✓		6/23/2025	1000	✓	✓	✓
30	FS 460	3	C	1			✓					✓		6/23/2025	1006	✓	✓	✓

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.

Relinquished By:	Date: 6.26.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Evan Roe	Time: 1340	Tamara Oldaker	All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408
Delivered By: (Circle One)	Observed Temp. °C 0.1	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.4		Turnaround Time: Standard ☑ Rush ☐
FORM-006 R 3.6 02/12/25			Thermometer ID #140 Correction Factor +0.3°C
			Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 07, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/30/25 12:10.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 12 0.5' (H253926-01)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *72.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 13 0.5' (H253926-02)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *76.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 14 0.5' (H253926-03)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *76.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 15 0.5' (H253926-04)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *74.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 16 0.5' (H253926-05)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *80.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 17 0.5' (H253926-06)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *74.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 18 0.5' (H253926-07)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *76.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 19 0.5' (H253926-08)

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	07/02/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/02/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/02/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *73.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 20 0.5' (H253926-09)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *74.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 21 0.5' (H253926-10)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *80.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 22 0.5' (H253926-11)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *84.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 23 0.5' (H253926-12)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 24 0.5' (H253926-13)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 25 0.5' (H253926-14)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *82.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 26 0.5' (H253926-15)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *83.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 27 0.5' (H253926-16)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-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	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 28 0.5' (H253926-17)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *85.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 29 0.5' (H253926-18)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-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	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 31 0.5' (H253926-19)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *84.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 151 5' (H253926-20)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**752**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *79.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 154 5' (H253926-21)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *74.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 158 4' (H253926-22)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *83.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 164 5' (H253926-23)

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	07/01/2025	ND	1.99	99.5	2.00	0.755	
Toluene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	2.16	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	102	2.00	2.63	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.02	100	6.00	3.06	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *82.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 167 4' (H253926-24)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 1148 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	Attn:	Connor Walker
State:	TX	Address:	4801 Business Park Blvd
Zip:	79701	City:	Hobbs
Phone #:	432-296-0627	State:	NM
Fax #:		Zip:	88240
Project #:	03C2284006	Phone #:	575-393-5905
Project Owner:	Mewbourne	Fax #:	
Project Name:	MOC Old Indian		
Project Location:	Eddy County, NM		
Sampler Name:	Evan Roe		

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253936																		
1	CS 12	0.5	C	1			✓					✓		6/26/2025	920	✓	✓	✓
2	CS 13	0.5	C	1			✓					✓		6/26/2025	924	✓	✓	✓
3	CS 14	0.5	C	1			✓					✓		6/26/2025	928	✓	✓	✓
4	CS 15	0.5	C	1			✓					✓		6/26/2025	932	✓	✓	✓
5	CS 16	0.5	C	1			✓					✓		6/26/2025	936	✓	✓	✓
6	CS 17	0.5	C	1			✓					✓		6/26/2025	940	✓	✓	✓
7	CS 18	0.5	C	1			✓					✓		6/26/2025	944	✓	✓	✓
8	CS 19	0.5	C	1			✓					✓		6/26/2025	948	✓	✓	✓
9	CS 20	0.5	C	1			✓					✓		6/26/2025	952	✓	✓	✓
10	CS 21	0.5	C	1			✓					✓		6/26/2025	956	✓	✓	✓

ANALYSIS REQUEST

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.

Relinquished By:	Date: 6-30-25	Received By:	
	Time: 1210		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

FORM-006 R 3.6 02/12/25

Observed Temp. °C 3.8

Corrected Temp. °C 4.1

Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

Observed Temp. °C

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1149 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253926																		
11	CS 22	0.5	C	1			✓					✓		6/26/2025	1100	✓	✓	✓
12	CS 23	0.5	C	1			✓					✓		6/26/2025	1004	✓	✓	✓
13	CS 24	0.5	C	1			✓					✓		6/26/2025	1008	✓	✓	✓
14	CS 25	0.5	C	1			✓					✓		6/26/2025	1012	✓	✓	✓
15	CS 26	0.5	C	1			✓					✓		6/26/2025	1016	✓	✓	✓
16	CS 27	0.5	C	1			✓					✓		6/26/2025	1020	✓	✓	✓
17	CS 28	0.5	C	1			✓					✓		6/26/2025	1024	✓	✓	✓
18	CS 29	0.5	C	1			✓					✓		6/26/2025	1028	✓	✓	✓
	CS 30	0.5	C	1			✓					✓		6/26/2025	1032	✓	✓	✓
19	CS 31	0.5	C	1			✓					✓		6/26/2025	1112	✓	✓	✓

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.

Relinquished By:	Date: 6.30.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1210		All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 3.8 Corrected Temp. °C 4.1

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1150 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253936																		
20	FS 151	5	C	1			✓					✓		6/26/2025	1300	✓	✓	✓
21	FS 154	5	C	1			✓					✓		6/26/2025	1305	✓	✓	✓
22	FS 158	4	C	1			✓					✓		6/26/2025	1310	✓	✓	✓
23	FS 164	5	C	1			✓					✓		6/26/2025	1315	✓	✓	✓
24	FS 167	4	C	1			✓					✓		6/26/2025	1320	✓	✓	✓

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.

Relinquished By:	Date: 6-30-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1210		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408
Delivered By: (Circle One)	Observed Temp. °C 3.8	Sample Condition Cool Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.1	☑ Yes ☑ Yes ☐ No ☐ No	

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C
☐ Yes ☐ Yes
☐ No ☐ No Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.6 02/12/25

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 10, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/30/25 12:10.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS 12 0.5'	H253926-01	Soil	26-Jun-25 09:20	30-Jun-25 12:10
CS 13 0.5'	H253926-02	Soil	26-Jun-25 09:24	30-Jun-25 12:10
CS 14 0.5'	H253926-03	Soil	26-Jun-25 09:28	30-Jun-25 12:10
CS 15 0.5'	H253926-04	Soil	26-Jun-25 09:32	30-Jun-25 12:10
CS 16 0.5'	H253926-05	Soil	26-Jun-25 09:36	30-Jun-25 12:10
CS 17 0.5'	H253926-06	Soil	26-Jun-25 09:40	30-Jun-25 12:10
CS 18 0.5'	H253926-07	Soil	26-Jun-25 09:44	30-Jun-25 12:10
CS 19 0.5'	H253926-08	Soil	26-Jun-25 09:48	30-Jun-25 12:10
CS 20 0.5'	H253926-09	Soil	26-Jun-25 09:52	30-Jun-25 12:10
CS 21 0.5'	H253926-10	Soil	26-Jun-25 09:56	30-Jun-25 12:10
CS 22 0.5'	H253926-11	Soil	26-Jun-25 11:00	30-Jun-25 12:10
CS 23 0.5'	H253926-12	Soil	26-Jun-25 10:04	30-Jun-25 12:10
CS 24 0.5'	H253926-13	Soil	26-Jun-25 10:08	30-Jun-25 12:10
CS 25 0.5'	H253926-14	Soil	26-Jun-25 10:12	30-Jun-25 12:10
CS 26 0.5'	H253926-15	Soil	26-Jun-25 10:16	30-Jun-25 12:10
CS 27 0.5'	H253926-16	Soil	26-Jun-25 10:20	30-Jun-25 12:10
CS 28 0.5'	H253926-17	Soil	26-Jun-25 10:24	30-Jun-25 12:10
CS 29 0.5'	H253926-18	Soil	26-Jun-25 10:28	30-Jun-25 12:10
CS 31 0.5'	H253926-19	Soil	26-Jun-25 11:12	30-Jun-25 12:10

07/10/25 - Client requested a split report for the CS and FS samples. This is the revised split report and will replace the one sent on 07/07/25.

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 12 0.5'

H253926-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*95.8 %*	*71.5-134*		*5063019*	JH	*30-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*72.9 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*70.8 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 13 0.5'

H253926-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**176**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*95.6 %*	*71.5-134*		*5063019*	JH	*30-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*76.4 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*72.7 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 14 0.5'

H253926-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063019	JH	30-Jun-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*96.7 %*	*71.5-134*		*5063019*	JH	*30-Jun-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*76.5 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*74.0 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 15 0.5'

H253926-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*74.1 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*70.3 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 16 0.5'

H253926-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**480**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*80.1 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.1 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 17 0.5'

H253926-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*74.6 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*70.5 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 18 0.5'

H253926-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*76.7 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*72.5 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 19 0.5'

H253926-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	02-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	02-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	02-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	02-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	02-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.3 %*	*71.5-134*		*5063020*	JH	*02-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*73.5 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*69.7 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 20 0.5'

H253926-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063031	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*74.8 %*	*44.4-145*		*5063031*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*70.5 %*	*40.6-153*		*5063031*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 21 0.5'

H253926-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*80.8 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*74.8 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 22 0.5'

H253926-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**480**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*84.6 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*79.9 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 23 0.5'

H253926-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**576**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*85.8 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*81.7 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 24 0.5'

H253926-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*82.4 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*78.0 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 25 0.5'

H253926-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	5070106	AC	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*82.9 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.0 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 26 0.5'

H253926-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**608**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*83.8 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*78.8 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 27 0.5'

H253926-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*84.4 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*79.7 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 28 0.5'

H253926-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**480**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*85.9 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.7 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 29 0.5'

H253926-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*86.0 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.7 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

CS 31 0.5'

H253926-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*84.0 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*78.8 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070106 - 1:4 DI Water										
Blank (5070106-BLK1)				Prepared & Analyzed: 01-Jul-25						
Chloride	ND	16.0	mg/kg							
LCS (5070106-BS1)				Prepared & Analyzed: 01-Jul-25						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (5070106-BSD1)				Prepared & Analyzed: 01-Jul-25						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
Batch 5070109 - 1:4 DI Water										
Blank (5070109-BLK1)				Prepared & Analyzed: 01-Jul-25						
Chloride	ND	16.0	mg/kg							
LCS (5070109-BS1)				Prepared & Analyzed: 01-Jul-25						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5070109-BSD1)				Prepared & Analyzed: 01-Jul-25						
Chloride	400	16.0	mg/kg	400		100	80-120	7.69	20	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5063019 - Volatiles										
Blank (5063019-BLK1)				Prepared & Analyzed: 30-Jun-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*		*95.7*	*71.5-134*			
LCS (5063019-BS1)				Prepared & Analyzed: 30-Jun-25						
Benzene	1.95	0.050	mg/kg	2.00		97.3	76.3-129			
Toluene	1.98	0.050	mg/kg	2.00		98.8	84.1-129			
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	80.1-133			
m,p-Xylene	3.98	0.100	mg/kg	4.00		99.5	81.4-134			
o-Xylene	1.99	0.050	mg/kg	2.00		99.7	81.4-133			
Total Xylenes	5.97	0.150	mg/kg	6.00		99.6	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0469*		mg/kg	*0.0500*		*93.8*	*71.5-134*			
LCS Dup (5063019-BSD1)				Prepared & Analyzed: 30-Jun-25						
Benzene	1.85	0.050	mg/kg	2.00		92.3	76.3-129	5.34	15.8	
Toluene	1.89	0.050	mg/kg	2.00		94.5	84.1-129	4.43	15.9	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.0	80.1-133	4.81	16	
m,p-Xylene	3.78	0.100	mg/kg	4.00		94.5	81.4-134	5.11	16.2	
o-Xylene	1.90	0.050	mg/kg	2.00		94.9	81.4-133	5.00	16.7	
Total Xylenes	5.68	0.150	mg/kg	6.00		94.7	81.5-134	5.07	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0473*		mg/kg	*0.0500*		*94.5*	*71.5-134*			
Batch 5063020 - Volatiles										
Blank (5063020-BLK1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-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							

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5063020 - Volatiles										
Blank (5063020-BLK1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-25						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0557*		mg/kg	*0.0500*		*111*	*71.5-134*			
LCS (5063020-BS1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-25						
Benzene	1.99	0.050	mg/kg	2.00		99.5	76.3-129			
Toluene	2.03	0.050	mg/kg	2.00		101	84.1-129			
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	80.1-133			
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	81.4-134			
o-Xylene	2.01	0.050	mg/kg	2.00		101	81.4-133			
Total Xylenes	6.02	0.150	mg/kg	6.00		100	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0503*		mg/kg	*0.0500*		*101*	*71.5-134*			
LCS Dup (5063020-BSD1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-25						
Benzene	1.98	0.050	mg/kg	2.00		98.8	76.3-129	0.755	15.8	
Toluene	1.99	0.050	mg/kg	2.00		99.3	84.1-129	2.16	15.9	
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.1	80.1-133	2.63	16	
m,p-Xylene	3.90	0.100	mg/kg	4.00		97.5	81.4-134	2.78	16.2	
o-Xylene	1.94	0.050	mg/kg	2.00		97.1	81.4-133	3.62	16.7	
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	81.5-134	3.06	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0498*		mg/kg	*0.0500*		*99.7*	*71.5-134*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

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 5063031 - General Prep - Organics										
Blank (5063031-BLK1)				Prepared & Analyzed: 30-Jun-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	*54.1*		mg/kg	*50.0*		*108*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*53.3*		mg/kg	*50.0*		*107*	*40.6-153*			
LCS (5063031-BS1)				Prepared & Analyzed: 30-Jun-25						
GRO C6-C10	207	10.0	mg/kg	200		104	81.5-123			
DRO >C10-C28	192	10.0	mg/kg	200		95.9	77.7-122			
Total TPH C6-C28	399	10.0	mg/kg	400		99.8	80.9-121			
Surrogate: 1-Chlorooctane	*53.3*		mg/kg	*50.0*		*107*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*53.0*		mg/kg	*50.0*		*106*	*40.6-153*			
LCS Dup (5063031-BSD1)				Prepared & Analyzed: 30-Jun-25						
GRO C6-C10	202	10.0	mg/kg	200		101	81.5-123	2.76	13	
DRO >C10-C28	189	10.0	mg/kg	200		94.6	77.7-122	1.36	15.6	
Total TPH C6-C28	391	10.0	mg/kg	400		97.8	80.9-121	2.08	18.5	
Surrogate: 1-Chlorooctane	*55.9*		mg/kg	*50.0*		*112*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*55.8*		mg/kg	*50.0*		*112*	*40.6-153*			
Batch 5063032 - General Prep - Organics										
Blank (5063032-BLK1)				Prepared & Analyzed: 30-Jun-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	*58.9*		mg/kg	*50.0*		*118*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*55.4*		mg/kg	*50.0*		*111*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:57

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 5063032 - General Prep - Organics										
LCS (5063032-BS1)				Prepared & Analyzed: 30-Jun-25						
GRO C6-C10	184	10.0	mg/kg	200		92.2	81.5-123			
DRO >C10-C28	196	10.0	mg/kg	200		98.0	77.7-122			
Total TPH C6-C28	380	10.0	mg/kg	400		95.1	80.9-121			
Surrogate: 1-Chlorooctane	*56.7*		mg/kg	*50.0*		*113*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*54.7*		mg/kg	*50.0*		*109*	*40.6-153*			
LCS Dup (5063032-BSD1)				Prepared & Analyzed: 30-Jun-25						
GRO C6-C10	181	10.0	mg/kg	200		90.6	81.5-123	1.73	13	
DRO >C10-C28	195	10.0	mg/kg	200		97.4	77.7-122	0.590	15.6	
Total TPH C6-C28	376	10.0	mg/kg	400		94.0	80.9-121	1.14	18.5	
Surrogate: 1-Chlorooctane	*60.2*		mg/kg	*50.0*		*120*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*60.1*		mg/kg	*50.0*		*120*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

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 *=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 ar 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 su 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

Page 1178 of 1704

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	Attn:	Connor Walker
State:	TX	Address:	4801 Business Park Blvd
Zip:	79701	City:	Hobbs
Phone #:	432-296-0627	State:	NM
Fax #:		Zip:	88240
Project #:	03C2284006	Phone #:	575-393-5905
Project Owner:	Mewbourne	Fax #:	
Project Name:	MOC Old Indian		
Project Location:	Eddy County, NM		
Sampler Name:	Evan Roe		

FOR LAB USE ONLY

Lab I.D.	Sample I.D.		Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253936																			
1	CS	12	0.5	C	1			✓					✓		6/26/2025	920	✓	✓	✓
2	CS	13	0.5	C	1			✓					✓		6/26/2025	924	✓	✓	✓
3	CS	14	0.5	C	1			✓					✓		6/26/2025	928	✓	✓	✓
4	CS	15	0.5	C	1			✓					✓		6/26/2025	932	✓	✓	✓
5	CS	16	0.5	C	1			✓					✓		6/26/2025	936	✓	✓	✓
6	CS	17	0.5	C	1			✓					✓		6/26/2025	940	✓	✓	✓
7	CS	18	0.5	C	1			✓					✓		6/26/2025	944	✓	✓	✓
8	CS	19	0.5	C	1			✓					✓		6/26/2025	948	✓	✓	✓
9	CS	20	0.5	C	1			✓					✓		6/26/2025	952	✓	✓	✓
10	CS	21	0.5	C	1			✓					✓		6/26/2025	956	✓	✓	✓

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.

Relinquished By:	Date: 6-30-25	Received By:	
	Time: 1210		
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 3.8
Corrected Temp. °C 4.1

Sample Condition: Cool Yes / No; Intact Yes / No

CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool Yes / No; Intact Yes / No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1179 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253926																			
11	CS	22	0.5	C	1			✓					✓		6/26/2025	1100	✓	✓	✓
12	CS	23	0.5	C	1			✓					✓		6/26/2025	1004	✓	✓	✓
13	CS	24	0.5	C	1			✓					✓		6/26/2025	1008	✓	✓	✓
14	CS	25	0.5	C	1			✓					✓		6/26/2025	1012	✓	✓	✓
15	CS	26	0.5	C	1			✓					✓		6/26/2025	1016	✓	✓	✓
16	CS	27	0.5	C	1			✓					✓		6/26/2025	1020	✓	✓	✓
17	CS	28	0.5	C	1			✓					✓		6/26/2025	1024	✓	✓	✓
18	CS	29	0.5	C	1			✓					✓		6/26/2025	1028	✓	✓	✓
	CS	30	0.5	C	1			✓					✓		6/26/2025	1032	✓	✓	✓
19	CS	31	0.5	C	1			✓					✓		6/26/2025	1112	✓	✓	✓

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.

Relinquished By:	Date: 6.30.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1210		All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 3.8
Corrected Temp. °C 4.1

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1180 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253936																		
20	FS 151	5	C	1			✓					✓		6/26/2025	1300	✓	✓	✓
21	FS 154	5	C	1			✓					✓		6/26/2025	1305	✓	✓	✓
22	FS 158	4	C	1			✓					✓		6/26/2025	1310	✓	✓	✓
23	FS 164	5	C	1			✓					✓		6/26/2025	1315	✓	✓	✓
24	FS 167	4	C	1			✓					✓		6/26/2025	1320	✓	✓	✓

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.

Relinquished By:	Date: 6-30-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1210		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408
Delivered By: (Circle One)	Observed Temp. °C 3.8	Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.1		Turnaround Time: Standard ☑ Rush ☐
FORM-006 R 3.6 02/12/25			Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 10, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/30/25 12:10.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 151 5'	H253926-20	Soil	26-Jun-25 13:00	30-Jun-25 12:10
FS 154 5'	H253926-21	Soil	26-Jun-25 13:05	30-Jun-25 12:10
FS 158 4'	H253926-22	Soil	26-Jun-25 13:10	30-Jun-25 12:10
FS 164 5'	H253926-23	Soil	26-Jun-25 13:15	30-Jun-25 12:10
FS 167 4'	H253926-24	Soil	26-Jun-25 13:20	30-Jun-25 12:10

07/10/25 - Client requested a split report for the CS and FS samples. This is the revised split report and will replace the one sent on 07/07/25.

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

FS 151 5'

H253926-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**752**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*79.5 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.4 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

FS 154 5'

H253926-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**528**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*74.7 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*74.1 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

FS 158 4'

H253926-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**240**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*83.3 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*79.3 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

FS 164 5'

H253926-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**304**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063020	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*107 %*	*71.5-134*		*5063020*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*82.2 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.6 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

FS 167 4'

H253926-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	5070109	KH	01-Jul-25	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	5063039	JH	01-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5063039	JH	01-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5063039	JH	01-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5063039	JH	01-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5063039	JH	01-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*115 %*	*71.5-134*		*5063039*	JH	*01-Jul-25*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5063032	MS	30-Jun-25	8015B	
Surrogate: 1-Chlorooctane			*82.4 %*	*44.4-145*		*5063032*	MS	*30-Jun-25*	*8015B*	
Surrogate: 1-Chlorooctadecane			*79.6 %*	*40.6-153*		*5063032*	MS	*30-Jun-25*	*8015B*	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070109 - 1:4 DI Water										
Blank (5070109-BLK1)				Prepared & Analyzed: 01-Jul-25						
Chloride	ND	16.0	mg/kg							
LCS (5070109-BS1)				Prepared & Analyzed: 01-Jul-25						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5070109-BSD1)				Prepared & Analyzed: 01-Jul-25						
Chloride	400	16.0	mg/kg	400		100	80-120	7.69	20	

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5063020 - Volatiles										
Blank (5063020-BLK1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-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)	*0.0557*		mg/kg	*0.0500*		*111*	*71.5-134*			
LCS (5063020-BS1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-25						
Benzene	1.99	0.050	mg/kg	2.00		99.5	76.3-129			
Toluene	2.03	0.050	mg/kg	2.00		101	84.1-129			
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	80.1-133			
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	81.4-134			
o-Xylene	2.01	0.050	mg/kg	2.00		101	81.4-133			
Total Xylenes	6.02	0.150	mg/kg	6.00		100	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0503*		mg/kg	*0.0500*		*101*	*71.5-134*			
LCS Dup (5063020-BSD1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-25						
Benzene	1.98	0.050	mg/kg	2.00		98.8	76.3-129	0.755	15.8	
Toluene	1.99	0.050	mg/kg	2.00		99.3	84.1-129	2.16	15.9	
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.1	80.1-133	2.63	16	
m,p-Xylene	3.90	0.100	mg/kg	4.00		97.5	81.4-134	2.78	16.2	
o-Xylene	1.94	0.050	mg/kg	2.00		97.1	81.4-133	3.62	16.7	
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	81.5-134	3.06	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0498*		mg/kg	*0.0500*		*99.7*	*71.5-134*			
Batch 5063039 - Volatiles										
Blank (5063039-BLK1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-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							

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5063039 - Volatiles										
Blank (5063039-BLK1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-25						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0550*		mg/kg	*0.0500*		*110*	*71.5-134*			
LCS (5063039-BS1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-25						
Benzene	1.81	0.050	mg/kg	2.00		90.6	76.3-129			
Toluene	1.92	0.050	mg/kg	2.00		95.8	84.1-129			
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.7	80.1-133			
m,p-Xylene	3.98	0.100	mg/kg	4.00		99.4	81.4-134			
o-Xylene	1.97	0.050	mg/kg	2.00		98.7	81.4-133			
Total Xylenes	5.95	0.150	mg/kg	6.00		99.2	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0495*		mg/kg	*0.0500*		*99.0*	*71.5-134*			
LCS Dup (5063039-BSD1)				Prepared: 30-Jun-25 Analyzed: 01-Jul-25						
Benzene	1.81	0.050	mg/kg	2.00		90.6	76.3-129	0.0436	15.8	
Toluene	1.90	0.050	mg/kg	2.00		95.1	84.1-129	0.716	15.9	
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.7	80.1-133	1.07	16	
m,p-Xylene	3.98	0.100	mg/kg	4.00		99.4	81.4-134	0.00820	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.7	81.4-133	0.968	16.7	
Total Xylenes	5.93	0.150	mg/kg	6.00		98.9	81.5-134	0.315	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0505*		mg/kg	*0.0500*		*101*	*71.5-134*			

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 ar 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 su 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: MOC OLD INDIAN Project Number: 03C2284006 Project Manager: JEREMY REICH Fax To:	Reported: 10-Jul-25 17:58

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 5063032 - General Prep - Organics										
Blank (5063032-BLK1)				Prepared & Analyzed: 30-Jun-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	*58.9*		mg/kg	*50.0*		*118*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*55.4*		mg/kg	*50.0*		*111*	*40.6-153*			
LCS (5063032-BS1)				Prepared & Analyzed: 30-Jun-25						
GRO C6-C10	184	10.0	mg/kg	200		92.2	81.5-123			
DRO >C10-C28	196	10.0	mg/kg	200		98.0	77.7-122			
Total TPH C6-C28	380	10.0	mg/kg	400		95.1	80.9-121			
Surrogate: 1-Chlorooctane	*56.7*		mg/kg	*50.0*		*113*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*54.7*		mg/kg	*50.0*		*109*	*40.6-153*			
LCS Dup (5063032-BSD1)				Prepared & Analyzed: 30-Jun-25						
GRO C6-C10	181	10.0	mg/kg	200		90.6	81.5-123	1.73	13	
DRO >C10-C28	195	10.0	mg/kg	200		97.4	77.7-122	0.590	15.6	
Total TPH C6-C28	376	10.0	mg/kg	400		94.0	80.9-121	1.14	18.5	
Surrogate: 1-Chlorooctane	*60.2*		mg/kg	*50.0*		*120*	*44.4-145*			
Surrogate: 1-Chlorooctadecane	*60.1*		mg/kg	*50.0*		*120*	*40.6-153*			

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 ar 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 su 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

CARDINAL Laboratories

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 *=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 ar 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 su 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

Page 1193 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253936																			
1	CS	12	0.5	C	1			✓					✓		6/26/2025	920	✓	✓	✓
2	CS	13	0.5	C	1			✓					✓		6/26/2025	924	✓	✓	✓
3	CS	14	0.5	C	1			✓					✓		6/26/2025	928	✓	✓	✓
4	CS	15	0.5	C	1			✓					✓		6/26/2025	932	✓	✓	✓
5	CS	16	0.5	C	1			✓					✓		6/26/2025	936	✓	✓	✓
6	CS	17	0.5	C	1			✓					✓		6/26/2025	940	✓	✓	✓
7	CS	18	0.5	C	1			✓					✓		6/26/2025	944	✓	✓	✓
8	CS	19	0.5	C	1			✓					✓		6/26/2025	948	✓	✓	✓
9	CS	20	0.5	C	1			✓					✓		6/26/2025	952	✓	✓	✓
10	CS	21	0.5	C	1			✓					✓		6/26/2025	956	✓	✓	✓

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.

Relinquished By:	Date: 6-30-25	Received By:	
	Time: 1210		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 3.8	Sample Condition Cool: ☐ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.1				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1194 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253926																		
11	CS 22	0.5	C	1			✓					✓		6/26/2025	1100	✓	✓	✓
12	CS 23	0.5	C	1			✓					✓		6/26/2025	1004	✓	✓	✓
13	CS 24	0.5	C	1			✓					✓		6/26/2025	1008	✓	✓	✓
14	CS 25	0.5	C	1			✓					✓		6/26/2025	1012	✓	✓	✓
15	CS 26	0.5	C	1			✓					✓		6/26/2025	1016	✓	✓	✓
16	CS 27	0.5	C	1			✓					✓		6/26/2025	1020	✓	✓	✓
17	CS 28	0.5	C	1			✓					✓		6/26/2025	1024	✓	✓	✓
18	CS 29	0.5	C	1			✓					✓		6/26/2025	1028	✓	✓	✓
	CS 30	0.5	C	1			✓					✓		6/26/2025	1032	✓	✓	✓
19	CS 31	0.5	C	1			✓					✓		6/26/2025	1112	✓	✓	✓

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.

Relinquished By:	Date: 6.30.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1210		All Results are emailed. Please provide Email address: ireich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 3.8
Corrected Temp. °C 4.1

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1195 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253936																		
20	FS 151	5	C	1			✓					✓		6/26/2025	1300	✓	✓	✓
21	FS 154	5	C	1			✓					✓		6/26/2025	1305	✓	✓	✓
22	FS 158	4	C	1			✓					✓		6/26/2025	1310	✓	✓	✓
23	FS 164	5	C	1			✓					✓		6/26/2025	1315	✓	✓	✓
24	FS 167	4	C	1			✓					✓		6/26/2025	1320	✓	✓	✓

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.

Relinquished By:	Date: 6-30-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1210		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408
Delivered By: (Circle One)	Observed Temp. °C 3.8	Sample Condition Cool Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.1	☑ Yes ☑ Yes ☐ No ☐ No	

Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 07, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 06/30/25 12:10.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/27/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 32 0.5' (H253927-01)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *84.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/27/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 34 0.5' (H253927-02)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**720**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/27/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 36 0.5' (H253927-03)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane *86.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/27/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 38 0.5' (H253927-04)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/27/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 39 0.5' (H253927-05)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	184	92.2	200	1.73	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	196	98.0	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane *86.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/27/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 45 0.5' (H253927-06)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	209	105	200	6.74	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	186	92.8	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane *88.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/27/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 46 0.5' (H253927-07)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	209	105	200	6.74	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	186	92.8	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	06/30/2025	Sampling Date:	06/27/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 47 0.5' (H253927-08)

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	07/01/2025	ND	1.81	90.6	2.00	0.0436	
Toluene*	<0.050	0.050	07/01/2025	ND	1.92	95.8	2.00	0.716	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	1.95	97.7	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	5.95	99.2	6.00	0.315	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

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	07/01/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	209	105	200	6.74	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	186	92.8	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane *85.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 1206 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H253927																			
1	CS	32	0.5	C	1			✓					✓		6/27/2025	1015	✓	✓	✓
2	CS	34	0.5	C	1			✓					✓		6/27/2025	1025	✓	✓	✓
3	CS	36	0.5	C	1			✓					✓		6/27/2025	1035	✓	✓	✓
4	CS	38	0.5	C	1			✓					✓		6/27/2025	1100	✓	✓	✓
5	CS	39	0.5	C	1			✓					✓		6/27/2025	1105	✓	✓	✓
6	CS	45	0.5	C	1			✓					✓		6/27/2025	1305	✓	✓	✓
7	CS	46	0.5	C	1			✓					✓		6/27/2025	1310	✓	✓	✓
8	CS	47	0.5	C	1			✓					✓		6/27/2025	1315	✓	✓	✓

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.

Relinquished By:	Date: 6.30.25	Received By:	
	Time: 1210		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 3.8
Corrected Temp. °C 4.1

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 10, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/03/25 12:46.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 40 0.5' (H254012-01)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1040**	16.0	07/07/2025	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	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *77.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 48 0.5' (H254012-02)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/07/2025	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	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *76.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 52 0.5' (H254012-03)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/07/2025	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	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *80.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 53 0.5' (H254012-04)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *75.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 54 0.5' (H254012-05)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *75.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 57 0.5' (H254012-06)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**768**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *73.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 60 0.5' (H254012-07)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *72.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 64 0.5' (H254012-08)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *78.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 65 0.5' (H254012-09)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**688**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *80.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 69 0.5' (H254012-10)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *73.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 71 0.5' (H254012-11)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *79.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 72 0.5' (H254012-12)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

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	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *77.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 462 3' (H254012-13)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *81.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 463 3' (H254012-14)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

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	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *85.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 466 3' (H254012-15)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

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	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 469 3' (H254012-17)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *85.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 473 3' (H254012-18)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *82.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 301 2.5' (H254012-19)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *89.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 309 2.5' (H254012-20)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *89.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 316 2.5' (H254012-21)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *95.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 317 2.5' (H254012-22)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *84.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 323 2.5' (H254012-23)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-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	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *89.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 327 2.5' (H254012-24)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/07/2025	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	07/07/2025	ND	196	97.8	200	5.45	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	95.2	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *92.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 251 3.5' (H254012-25)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/07/2025	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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 254 3.5' (H254012-26)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/07/2025	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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *89.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 258 3.5' (H254012-27)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	07/07/2025	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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 148 5' (H254012-28)

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	07/03/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/03/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

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	07/07/2025	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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *87.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 239 3.5' (H254012-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/04/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/04/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/04/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

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	07/07/2025	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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *89.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 375 3' (H254012-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/04/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/04/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/04/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-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	07/07/2025	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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *89.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 380 3' (H254012-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/04/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/04/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/04/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/07/2025	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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 416 3.5' (H254012-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/04/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/04/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/04/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/07/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *86.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 449 3.5' (H254012-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/04/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/04/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/04/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/07/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 451 3.5' (H254012-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2025	ND	2.08	104	2.00	5.79	
Toluene*	<0.050	0.050	07/04/2025	ND	2.03	102	2.00	4.72	
Ethylbenzene*	<0.050	0.050	07/04/2025	ND	2.04	102	2.00	6.35	
Total Xylenes*	<0.150	0.150	07/04/2025	ND	6.36	106	6.00	6.85	
Total BTEX	<0.300	0.300	07/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/07/2025	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane *87.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/4

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland State: TX Zip: 79701	Attn:	Connor Walker
Phone #:	432-296-0627 Fax #:	Address:	4801 Business Park Blvd
Project #:	03C2284006 Project Owner: Mewbourne	City:	Hobbs
Project Name:	MOC Old Indian	State: NM Zip:	88240
Project Location:	Eddy County, NM	Phone #:	575-393-5905
Sampler Name:	Evan Roe	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254012																		
1	CS 40	0.5	C	1			✓					✓		7/2/2025	1305	✓	✓	✓
2	CS 48	0.5	C	1			✓					✓		7/2/2025	1325	✓	✓	✓
3	CS 52	0.5	C	1			✓					✓		7/2/2025	1040	✓	✓	✓
4	CS 53	0.5	C	1			✓					✓		7/2/2025	1045	✓	✓	✓
5	CS 54	0.5	C	1			✓					✓		7/2/2025	1050	✓	✓	✓
6	CS 57	0.5	C	1			✓					✓		7/2/2025	1105	✓	✓	✓
7	CS 60	0.5	C	1			✓					✓		7/2/2025	1120	✓	✓	✓
8	CS 64	0.5	C	1			✓					✓		7/2/2025	850	✓	✓	✓
9	CS 65	0.5	C	1			✓					✓		7/2/2025	855	✓	✓	✓
10	CS 69	0.5	C	1			✓					✓		7/2/2025	915	✓		✓

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.

Relinquished By:	Date: 7.3.25 Time: 1246	Received By:	SRodriguez
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C: 0.1
Corrected Temp. °C: 0.4

Sample Condition: Cool ☐ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: ☐ Standard ☑ Rush

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1243 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/4

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500	
H254012																			
11	CS 71	0.5	C	1			✓					✓		7/2/2025	925	✓	✓	✓	
12	CS 72	0.5	C	1			✓					✓		7/2/2025	930	✓	✓	✓	
13	FS 462	3	C	1			✓					✓		7/2/2025	955	✓	✓	✓	
14	FS 463	3	C	1			✓					✓		7/2/2025	1000	✓	✓	✓	
15	FS 466	3	C	1			✓					✓		7/2/2025	1005	✓	✓	✓	
16	FS 468	3	C	1			✓					✓		7/2/2025	950	✓	✓	✓	NO Sample
17	FS 469	3	C	1			✓					✓		7/2/2025	845	✓	✓	✓	
18	FS 473	3	C	1			✓					✓		7/2/2025	1010	✓	✓	✓	
19	FS 301	2.5	C	1			✓					✓		7/2/2025	915	✓	✓	✓	
20	FS 309	2.5	C	1			✓					✓		7/2/2025	920	✓	✓	✓	

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.

Relinquished By:	Date: 7-3-25 Time: 1246	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	**Received By:**	All Results are emailed. Please provide Email address: jreich@ensolum.com; tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
			REMARKS: NAPP2505952408 NO Sample # 16.

Delivered By: (Circle One)	**Observed Temp. °C** 0.1	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☑ Rush ☐	**Bacteria (only) Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 0.4			**Thermometer ID** #140 **Correction Factor** +0.3°C	Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1244 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/4

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY

Lab I.D.	Sample I.D.			Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254012																				
21	FS	316		2.5	C	1			✓					✓		7/2/2025	925	✓	✓	✓
22	FS	317		2.5	C	1			✓					✓		7/2/2025	930	✓	✓	✓
23	FS	323		2.5	C	1			✓					✓		7/2/2025	935	✓	✓	✓
24	FS	327		2.5	C	1			✓					✓		7/2/2025	940	✓	✓	✓
25	FS	251		3.5	C	1			✓					✓		7/2/2025	1000	✓	✓	✓
26	FS	254		3.5	C	1			✓					✓		7/2/2025	1005	✓	✓	✓
27	FS	258		3.5	C	1			✓					✓		7/2/2025	1010	✓	✓	✓
28	FS	148		5	C	1			✓					✓		7/2/2025	1230	✓	✓	✓
29	FS	239		3.5	C	1			✓					✓		7/2/2025	1255	✓	✓	✓
30	FS	375		3	C	1			✓					✓		7/2/2025	1250	✓	✓	✓

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.

Relinquished By:	Date: 7-3-25	**Received By:**	
	Time: 1244		
Relinquished By:	Date:	**Received By:**	
	Time:		

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	**Observed Temp. °C** 0.1	**Sample Condition** Cool: ☐ Yes ☐ No; Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:**	Standard ☑ / Rush ☐
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 0.4			Thermometer ID #140 Correction Factor +0.3°C	Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1245 of 1704

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4/4

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland	State: TX Zip: 79701	Attn: Connor Walker
Phone #:	432-296-0627	Fax #:	Address: 4801 Business Park Blvd
Project #:	03C2284006	Project Owner: Mewbourne	City: Hobbs
Project Name:	MOC Old Indian		State: NM Zip: 88240
Project Location:	Eddy County, NM		Phone #: 575-393-5905
Sampler Name:	Evan Roe		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.			Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254012																				
31	FS	380		3	C	1			✓					✓		7/2/2025	1235	✓	✓	✓
32	FS	416		3.5	C	1			✓					✓		7/2/2025	1235	✓	✓	✓
33	FS	449		3.5	C	1			✓					✓		7/2/2025	1240	✓	✓	✓
34	FS	451		3.5	C	1			✓					✓		7/2/2025	1245	✓	✓	✓

ANALYSIS REQUEST

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.

Relinquished By:	Date: 7.3.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1346		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 0.1	Sample Condition Cool: ☐ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.4	Intact: ☐ Yes ☐ No		Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 10, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/08/25 14:08.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 267 2.5' (H254041-01)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *97.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 38 0-3' (H254041-02)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *71.5-134*

Chloride, SM4500Cl-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	07/09/2025	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	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *86.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 39 0-2' (H254041-03)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/09/2025	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	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *91.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1251 of 1704

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Page 1 of 1

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	CHRIS WRIGHT

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254041																		
1	FS267	2.5	C	1			✓					✓		7/3/25	0947	✓	✓	✓
2	SW38	0-3	C	1			✓					✓		7/3/25	1141	✓	✓	✓
3	SW39	0-2	C	1			✓					✓		7/3/25	1144	✓	✓	✓

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.

Relinquished By:	Date: 7-8-25	Received By:	
	Time: 1408		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 1-7	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: 48 HR Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.0			Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 10, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/08/25 14:08.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 470 2' (H254042-01)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *91.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 476 2' (H254042-02)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *86.6 %* *71.5-134*

Chloride, SM4500Cl-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	07/09/2025	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	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 477 2' (H254042-03)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/09/2025	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	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *95.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 478 2' (H254042-04)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *93.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 480 2' (H254042-05)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *96.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 481 2' (H254042-06)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *94.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 348 2' (H254042-07)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *97.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 249 2' (H254042-08)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *90.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 258 3.5' (H254042-09)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *91.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/03/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 296 3.5' (H254042-10)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *90.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1264 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	CHRIS WRIGHT

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254042																		
1	FS470	2	C	1			✓					✓		7/3/25	0938	✓	✓	✓
2	FS476	2	C	1			✓					✓		7/3/25	0929	✓	✓	✓
3	FS477	2	C	1			✓					✓		7/3/25	0934	✓	✓	✓
4	FS478	2	C	1			✓					✓		7/3/25	0924	✓	✓	✓
5	FS480	2	C	1			✓					✓		7/3/25	0927	✓	✓	✓
6	FS481	2	C	1			✓					✓		7/3/25	0936	✓	✓	✓
7	FS348	2	C	1			✓					✓		7/3/25	0951	✓	✓	✓
8	FS249	2	C	1			✓					✓		7/3/25	0943	✓	✓	✓
9	FS258	3.5	C	1			✓					✓		7/3/25	0945	✓	✓	✓
10	FS296	3.5	C	1			✓					✓		7/3/25	1011	✓	✓	✓

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 consequental 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.

Relinquished By:	Date: 7-8-25	Received By:	
	Time: 1408		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 1.7	Sample Condition Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑ 48 HR
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.0	☐ No ☐ No		Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.0 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 10, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/08/25 14:08.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 75 0.5' (H254043-01)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *88.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 76 0.5' (H254043-02)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *86.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 77 0.5' (H254043-03)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *93.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 78 0.5' (H254043-04)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID	*94.7 %*	*71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane	*88.0 %*	*44.4-145*
Surrogate: 1-Chlorooctadecane	*82.0 %*	*40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 80 0.5' (H254043-05)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *91.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 81 0.5' (H254043-06)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *92.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 84 0.5' (H254043-07)

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	07/09/2025	ND	1.82	91.1	2.00	4.57	
Toluene*	<0.050	0.050	07/09/2025	ND	1.88	94.1	2.00	4.24	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.87	93.5	2.00	4.06	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.51	91.8	6.00	4.01	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	214	107	200	5.80	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	204	102	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *95.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 85 0.5' (H254043-08)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *79.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 86 0.5' (H254043-09)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *76.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 87 0.5' (H254043-10)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *77.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 88 0.5' (H254043-11)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *77.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 90 0.5' (H254043-12)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *79.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 91 0.5' (H254043-13)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/09/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *78.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 92 0.5' (H254043-14)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *73.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 93 0.5' (H254043-15)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *78.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 94 0.5' (H254043-16)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *75.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 95 0.5' (H254043-17)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *76.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 96 0.5' (H254043-18)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *80.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 97 0.5' (H254043-19)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *76.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 482 3.5' (H254043-20)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *77.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 483 3.5' (H254043-21)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *74.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 151 5' (H254043-22)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *74.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 158 4' (H254043-23)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *76.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 164 4' (H254043-24)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *76.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 167 4' (H254043-25)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *77.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 89 0.5' (H254043-26)

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	07/09/2025	ND	1.93	96.7	2.00	5.79	
Toluene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	5.55	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.92	96.1	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.70	95.0	6.00	5.13	
Total BTEX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	07/09/2025	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	07/09/2025	ND	199	99.5	200	3.65	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	214	107	200	3.81	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane *73.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1293 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	CHRIS WRIGHT

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254043-1	CS75	0.5	C	1			✓					✓		7/7/25	0846	✓	✓	✓
2	CS76	0.5	C	1			✓					✓		7/7/25	0842	✓	✓	✓
3	CS77	0.5	C	1			✓					✓		7/7/25	0850	✓	✓	✓
4	CS78	0.5	C	1			✓					✓		7/7/25	0852	✓	✓	✓
5	CS80	0.5	C	1			✓					✓		7/7/25	0855	✓	✓	✓
6	CS81	0.5	C	1			✓					✓		7/7/25	0857	✓	✓	✓
7	CS84	0.5	C	1			✓					✓		7/7/25	1008	✓	✓	✓
8	CS85	0.5	C	1			✓					✓		7/7/25	1010	✓	✓	✓
9	CS86	0.5	C	1			✓					✓		7/7/25	1013	✓	✓	✓
10	CS87	0.5	C	1			✓					✓		7/7/25	1017	✓	✓	✓

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.

Relinquished By:	Date: 7-8-25	Received By:	
	Time: 1408		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.7	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)
	Corrected Temp. °C 2.0			

Turnaround Time: Standard ☐ Rush ☒ 48 Hr

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.0 02/12/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1294 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Mewbourne Oil Co
City: Midland State: TX Zip: 79701	Attn: Connor Walker
Phone #: 432-296-0627 Fax #:	Address: 4801 Business Park Blvd
Project #: 03C2284006 Project Owner: Mewbourne	City: Hobbs
Project Name: MOC Old Indian	State: NM Zip: 88240
Project Location: Eddy County, NM	Phone #: 575-393-5905
Sampler Name: CHRIS WRIGHT	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254043																		
11	CS88	0.5	C	1			✓					✓		7/7/25	1018	✓	✓	✓
12	CS90	0.5	C	1			✓					✓		7/7/25	1113	✓	✓	✓
13	CS91	0.5	C	1			✓					✓		7/7/25	1116	✓	✓	✓
14	CS92	0.5	C	1			✓					✓		7/7/25	1118	✓	✓	✓
15	CS93	0.5	C	1			✓					✓		7/7/25	1121	✓	✓	✓
16	CS94	0.5	C	1			✓					✓		7/7/25	1123	✓	✓	✓
17	CS95	0.5	C	1			✓					✓		7/7/25	1124	✓	✓	✓
18	CS96	0.5	C	1			✓					✓		7/7/25	1127	✓	✓	✓
19	CS97	0.5	C	1			✓					✓		7/7/25	1130	✓	✓	✓
20	FS482	3.5	C	1			✓					✓		7/7/25	1407	✓	✓	✓

ANALYSIS REQUEST

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.

Relinquished By:	Date: 7-8-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1408		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.7 Corrected Temp. °C 2.0	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
			Turnaround Time: 48 HR Standard ☐ Rush ☒ Thermometer ID #140 Correction Factor +0.3°C
			Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.0 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1295 of 1704

Page 31 of 31

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	CHRIS WRIGHT

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254043																		
21	FS483	3.5	C	1			✓					✓		7/7/25	1403	✓	✓	✓
22	FS151	5'	C	1			✓					✓		7/7/25	1412	✓	✓	✓
23	FS158	4'	C	1			✓					✓		7/7/25	1409	✓	✓	✓
24	FS164	4'	C	1			✓					✓		7/7/25	1414	✓	✓	✓
25	FS167	4'	C	1			✓					✓		7/7/25	1416	✓	✓	✓
26	CS89	0.5	C	1			✓					✓		7/7/25	1359	✓	✓	✓

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.

Relinquished By:	Date: 7-8-25	Received By:	
	Time: 1408		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.7	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)
	Corrected Temp. °C 2.0			

Turnaround Time: 48 HR — Standard ☐ Rush ☒

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.0 02/12/25

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 16, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/10/25 13:40.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 489 2' (H254116-01)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	07/14/2025	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	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *44.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *45.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 490 2' (H254116-02)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/14/2025	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	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *60.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *57.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 491 2' (H254116-03)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/14/2025	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	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *70.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 492 2' (H254116-04)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/14/2025	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	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *58.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *54.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 493 2' (H254116-05)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/14/2025	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	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *70.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 494 2' (H254116-06)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/14/2025	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	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *72.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 495 2' (H254116-07)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *76.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 496 2' (H254116-08)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *77.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 497 2' (H254116-09)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *83.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 498 2' (H254116-10)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

Chloride, SM4500Cl-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	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 499 2' (H254116-11)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	215	107	200	1.49	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	215	107	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *93.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 500 2' (H254116-12)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 501 2' (H254116-13)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *84.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 502 2' (H254116-14)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 503 2' (H254116-15)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

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	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *91.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 504 2' (H254116-16)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

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	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *88.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 505 2' (H254116-17)

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	07/11/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/11/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *80.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 506 2' (H254116-18)

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	07/12/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/12/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/12/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/12/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 507 2' (H254116-19)

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	07/12/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/12/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/12/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/12/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 508 2' (H254116-20)

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	07/12/2025	ND	1.86	93.2	2.00	6.69	
Toluene*	<0.050	0.050	07/12/2025	ND	1.84	92.1	2.00	9.82	
Ethylbenzene*	<0.050	0.050	07/12/2025	ND	1.85	92.6	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/12/2025	ND	5.69	94.8	6.00	12.8	
Total BTEX	<0.300	0.300	07/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**704**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *83.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 509 3' (H254116-21)

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	07/11/2025	ND	1.98	99.2	2.00	6.31	
Toluene*	<0.050	0.050	07/11/2025	ND	2.10	105	2.00	5.00	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.93	96.6	2.00	5.45	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

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	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *83.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 510 3' (H254116-22)

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	07/11/2025	ND	1.98	99.2	2.00	6.31	
Toluene*	<0.050	0.050	07/11/2025	ND	2.10	105	2.00	5.00	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.93	96.6	2.00	5.45	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

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	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *89.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 471 3' (H254116-23)

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	07/11/2025	ND	1.98	99.2	2.00	6.31	
Toluene*	<0.050	0.050	07/11/2025	ND	2.10	105	2.00	5.00	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.93	96.6	2.00	5.45	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *85.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 472 3' (H254116-24)

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	07/11/2025	ND	1.98	99.2	2.00	6.31	
Toluene*	<0.050	0.050	07/11/2025	ND	2.10	105	2.00	5.00	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.93	96.6	2.00	5.45	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *87.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 474 3' (H254116-25)

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	07/11/2025	ND	1.98	99.2	2.00	6.31	
Toluene*	<0.050	0.050	07/11/2025	ND	2.10	105	2.00	5.00	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.93	96.6	2.00	5.45	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *81.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 475 3' (H254116-26)

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	07/11/2025	ND	1.98	99.2	2.00	6.31	
Toluene*	<0.050	0.050	07/11/2025	ND	2.10	105	2.00	5.00	
Ethylbenzene*	<0.050	0.050	07/11/2025	ND	1.93	96.6	2.00	5.45	
Total Xylenes*	<0.150	0.150	07/11/2025	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	07/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *90.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/16/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 479 3' (H254116-27)

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	07/12/2025	ND	1.98	99.2	2.00	6.31	
Toluene*	<0.050	0.050	07/12/2025	ND	2.10	105	2.00	5.00	
Ethylbenzene*	<0.050	0.050	07/12/2025	ND	1.93	96.6	2.00	5.45	
Total Xylenes*	<0.150	0.150	07/12/2025	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	07/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	07/14/2025	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	07/11/2025	ND	206	103	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/11/2025	ND	206	103	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	07/11/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1325 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254116-1	FS 489	2 ~~3~~	C	1			✓					✓		7/9/2025	945	✓	✓	✓
2	FS 490	2 ~~3.5~~	C	1			✓					✓		7/9/2025	948	✓	✓	✓
3	FS 491	2 ~~3.5~~	C	1			✓					✓		7/9/2025	951	✓	✓	✓
4	FS 492	2 ~~3.5~~	C	1			✓					✓		7/9/2025	954	✓	✓	✓
5	FS 493	2	C	1			✓					✓		7/9/2025	957	✓	✓	✓
6	FS 494	2	C	1			✓					✓		7/9/2025	1000	✓	✓	✓
7	FS 495	2	C	1			✓					✓		7/9/2025	1003	✓	✓	✓
8	FS 496	2	C	1			✓					✓		7/9/2025	1006	✓	✓	✓
9	FS 497	2	C	1			✓					✓		7/9/2025	1009	✓	✓	✓
10	FS 498	2	C	1			✓					✓		7/9/2025	1012	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 7-10.25	Received By: Tamara Molokas	
	Time: 1340		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

FORM-006 R 3.6 02/12/25

Observed Temp. °C 0.1

Corrected Temp. °C 0.4

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1326 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254116																		
11	FS 499	2	C	1			✓					✓		7/9/2025	1015	✓	✓	✓
12	FS 500	2	C	1			✓					✓		7/9/2025	1018	✓	✓	✓
13	FS 501	2	C	1			✓					✓		7/9/2025	1200	✓	✓	✓
14	FS 502	2	C	1			✓					✓		7/9/2025	1203	✓	✓	✓
15	FS 503	2	C	1			✓					✓		7/9/2025	1206	✓	✓	✓
16	FS 504	2	C	1			✓					✓		7/9/2025	1209	✓	✓	✓
17	FS 505	2	C	1			✓					✓		7/9/2025	1212	✓	✓	✓
18	FS 506	2	C	1			✓					✓		7/9/2025	1215	✓	✓	✓
19	FS 507	2	C	1			✓					✓		7/9/2025	1218	✓	✓	✓
20	FS 508	2	C	1			✓					✓		7/9/2025	1221	✓	✓	✓

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.

Relinquished By:	Date: 7-10-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Time: 1340	Received By:	All Results are emailed. Please provide Email address: ireich@ensolum.com
	Date:		tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
	Time:		jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 0.1
Corrected Temp. °C 0.4

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1327 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland
State: TX	Zip: 79701
Phone #:	432-296-0627
Fax #:	
Project #:	03C2284006
Project Owner:	Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254116-21	FS 509		3	C	1			✓					✓	7/9/2025	1224	✓	✓	✓
22	FS 510		3	C	1			✓					✓	7/9/2025	1227	✓	✓	✓
23	FS 471		3	C	1			✓					✓	7/9/2025	1330	✓	✓	✓
24	FS 472		3	C	1			✓					✓	7/9/2025	1333	✓	✓	✓
25	FS 474		3	C	1			✓					✓	7/9/2025	1336	✓	✓	✓
26	FS 475		3	C	1			✓					✓	7/9/2025	1339	✓	✓	✓
27	FS 479		3	C	1			✓					✓	7/9/2025	1342	✓	✓	✓

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 consequental 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.

Relinquished By: Evan Roe — Date: 7-10-25 — Time: 1340

Received By: Tamara Oldaker

Relinquished By: — Date: — Time:

Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-006 R 3.6 02/12/25

Observed Temp. °C 0.1
Corrected Temp. °C 0.4

Sample Condition: Cool ☑ Yes ☐ No — Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TO

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No — Intact ☐ Yes ☐ No

Observed Temp. °C

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 17, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/14/25 12:29.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 518 3.5 (H254164-01)

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	07/15/2025	ND	1.87	93.5	2.00	3.04	
Toluene*	<0.050	0.050	07/15/2025	ND	1.92	96.0	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.94	97.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.84	97.3	6.00	3.22	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *99.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 546 2 (H254164-02)

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	07/15/2025	ND	1.87	93.5	2.00	3.04	
Toluene*	<0.050	0.050	07/15/2025	ND	1.92	96.0	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.94	97.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.84	97.3	6.00	3.22	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *86.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 547 2 (H254164-03)

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	07/15/2025	ND	1.87	93.5	2.00	3.04	
Toluene*	<0.050	0.050	07/15/2025	ND	1.92	96.0	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.94	97.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.84	97.3	6.00	3.22	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *90.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 548 2 (H254164-04)

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	07/15/2025	ND	1.87	93.5	2.00	3.04	
Toluene*	<0.050	0.050	07/15/2025	ND	1.92	96.0	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.94	97.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.84	97.3	6.00	3.22	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *93.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 551 2 (H254164-05)

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	07/15/2025	ND	1.87	93.5	2.00	3.04	
Toluene*	<0.050	0.050	07/15/2025	ND	1.92	96.0	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.94	97.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.84	97.3	6.00	3.22	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 552 2 (H254164-06)

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	07/16/2025	ND	1.87	93.5	2.00	3.04	
Toluene*	<0.050	0.050	07/16/2025	ND	1.92	96.0	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	1.94	97.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/16/2025	ND	5.84	97.3	6.00	3.22	
Total BTEX	<0.300	0.300	07/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *96.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 553 2 (H254164-07)

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	07/16/2025	ND	2.07	104	2.00	0.833	
Toluene*	<0.050	0.050	07/16/2025	ND	2.07	104	2.00	0.0534	
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.662	
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.10	102	6.00	0.295	
Total BTEX	<0.300	0.300	07/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *92.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 554 2 (H254164-08)

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	07/16/2025	ND	2.07	104	2.00	0.833	
Toluene*	<0.050	0.050	07/16/2025	ND	2.07	104	2.00	0.0534	
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.662	
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.10	102	6.00	0.295	
Total BTEX	<0.300	0.300	07/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 555 2 (H254164-09)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/15/2025	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	07/14/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane *98.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 556 2 (H254164-10)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	07/15/2025	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	07/15/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *87.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 557 2 (H254164-11)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/15/2025	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	07/15/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *83.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 558 2 (H254164-12)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

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	07/15/2025	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	07/15/2025	ND	197	98.4	200	0.450	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.3	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *78.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 559 2 (H254164-13)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

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	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *65.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 560 2 (H254164-14)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 561 2 (H254164-15)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *79.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 562 2 (H254164-16)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 563 3 (H254164-17)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 564 2 (H254164-18)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 565 2 (H254164-19)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *92.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 566 2.5 (H254164-20)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**832**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *76.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 567 2 (H254164-21)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *83.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 568 2 (H254164-22)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *92.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 569 2 (H254164-23)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *71.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 570 2 (H254164-24)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *86.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 571 2 (H254164-25)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *87.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 572 2 (H254164-26)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *79.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 573 2 (H254164-27)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *79.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 575 2 (H254164-28)

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	07/15/2025	ND	1.76	87.8	2.00	4.26	
Toluene*	<0.050	0.050	07/15/2025	ND	1.84	91.8	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.88	93.9	2.00	3.84	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.83	97.2	6.00	2.81	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *73.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 576 2 (H254164-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *85.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 577 2 (H254164-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *84.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 578 2 (H254164-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *80.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 580 2 (H254164-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/15/2025	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	07/15/2025	ND	202	101	200	0.0273	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	95.1	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *76.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 581 2 (H254164-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *95.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 582 2 (H254164-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**688**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *87.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 583 2 (H254164-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *93.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 584 2 (H254164-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 585 2 (H254164-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 586 2 (H254164-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *110 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *115 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 587 2 (H254164-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 588 2 (H254164-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 590 2 (H254164-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.88	93.8	2.00	1.05	
Toluene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.762	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.98	98.9	2.00	1.16	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.93	98.9	6.00	1.84	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	07/15/2025	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	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *115 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1371 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4 S

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	P.O. #:	
Address:	601 N Marienfeld Street, Suite 400	Company:	Mewbourne Oil Co
City:	Midland State: TX Zip: 79701	Attn:	Connor Walker
Phone #:	432-296-0627 Fax #:	Address:	4801 Business Park Blvd
Project #:	03C2284006 Project Owner: Mewbourne	City:	Hobbs
Project Name:	MOC Old Indian	State: NM Zip:	88240
Project Location:	Eddy County, NM	Phone #:	575-393-5905
Sampler Name:	Evan Roe	Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254164												✓						
1	FS 518	3.5 ft	C	1			✓					✓		7/11/2025	1014	✓	✓	✓
2	FS 546	2	C	1			✓					✓		7/11/2025	902	✓	✓	✓
3	FS 547	2	C	1			✓					✓		7/11/2025	904	✓	✓	✓
4	FS 548	2	C	1			✓					✓		7/11/2025	906	✓	✓	✓
5	FS 551	2	C	1			✓					✓		7/11/2025	908	✓	✓	✓
6	FS 552	2	C	1			✓					✓		7/11/2025	910	✓	✓	✓
7	FS 553	2	C	1			✓					✓		7/11/2025	912	✓	✓	✓
8	FS 554	2	C	1			✓					✓		7/11/2025	914	✓	✓	✓
9	FS 555	2	C	1			✓					✓		7/11/2025	916	✓	✓	✓
10	FS 556	2	C	1			✓					✓		7/11/2025	918	✓	✓	✓

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.

Relinquished By:	Date: 7.14.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Evan Roe	Time: 1229	SRodriguez	All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 3.5 Corrected Temp. °C 3.8

Sample Condition: Cool ☑ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25411																		
11	FS 557	2	C	1			✓					✓		7/11/2025	920	✓	✓	✓
12	FS 558	2	C	1			✓					✓		7/11/2025	922	✓	✓	✓
13	FS 559	2	C	1			✓					✓		7/11/2025	924	✓	✓	✓
14	FS 560	2	C	1			✓					✓		7/11/2025	926	✓	✓	✓
15	FS 561	2	C	1			✓					✓		7/11/2025	928	✓	✓	✓
16	FS 562	2	C	1			✓					✓		7/11/2025	1000	✓	✓	✓
17	FS 563	3	C	1			✓					✓		7/11/2025	1300	✓	✓	✓
18	FS 564	2	C	1			✓					✓		7/11/2025	1002	✓	✓	✓
19	FS 565	2	C	1			✓					✓		7/11/2025	1004	✓	✓	✓
20	FS 566	2.5	C	1			✓					✓		7/11/2025	1302	✓	✓	✓

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.

Relinquished By:	Date: 7-14-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Evan R	Time: 1229		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 3.5 Corrected Temp. °C 3.8

Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials) SRC

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1373 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25411																		
21	FS 567	2	C	1			✓					✓		7/11/2025	1008	✓	✓	✓
22	FS 568	2	C	1			✓					✓		7/11/2025	1010	✓	✓	✓
23	FS 569	2	C	1			✓					✓		7/11/2025	1012	✓	✓	✓
24	FS 570	2	C	1			✓					✓		7/11/2025	1304	✓	✓	✓
25	FS 571	2	C	1			✓					✓		7/11/2025	1306	✓	✓	✓
26	FS 572	2	C	1			✓					✓		7/11/2025	1308	✓	✓	✓
27	FS 573	2	C	1			✓					✓		7/11/2025	1336	✓	✓	✓
28	FS 575	2	C	1			✓					✓		7/11/2025	1314	✓	✓	✓
29	FS 576	2	C	1			✓					✓		7/11/2025	1316	✓	✓	✓
30	FS 577	2	C	1			✓					✓		7/11/2025	1318	✓	✓	✓

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.

Relinquished By:	Date: 7.14.25	Received By:	
	Time: 1229		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 3.5
Corrected Temp. °C 3.8

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1374 of 1704

Page 47 of 48

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254164																		
31	FS 578	2	C	1			✓					✓		7/11/2025	1312	✓	✓	✓
32	FS 580	2	C	1			✓					✓		7/11/2025	1324	✓	✓	✓
33	FS 581	2	C	1			✓					✓		7/11/2025	1326	✓	✓	✓
34	FS 582	2	C	1			✓					✓		7/11/2025	1328	✓	✓	✓
35	FS 583	2	C	1			✓					✓		7/11/2025	1330	✓	✓	✓
36	FS 584	2	C	1			✓					✓		7/11/2025	1332	✓	✓	✓
37	FS 585	2	C	1			✓					✓		7/11/2025	1334	✓	✓	✓
38	FS 586	2	C	1			✓					✓		7/11/2025	1338	✓	✓	✓
39	FS 587	2	C	1			✓					✓		7/11/2025	1340	✓	✓	✓
40	FS 588	2	C	1			✓					✓		7/11/2025	1342	✓	✓	✓

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.

Relinquished By:	Date: 7.14.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Evan R	Time: 1229	S Rodriguez	All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 3.5 Corrected Temp. °C 3.8

Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1375 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254164-41	FS 590	2	C	1			✓					✓		7/11/2025	1346	✓	✓	✓

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.

Relinquished By:	Date: 7.14.25 Time: 1229	Received By:
Relinquished By:	Date: Time:	Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 35
Corrected Temp. °C 3.8

Sample Condition: Cool ☑ Yes ☐ No Intact ~~☐ Yes~~ ☐ No

CHECKED BY: (Initials) SL

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 17, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/14/25 12:29.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 511 2 (H254169-01)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *71.5-134*

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	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *89.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 512 2 (H254169-02)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *51.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *53.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 513 2 (H254169-03)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *80.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 514 2 (H254169-04)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

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	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *89.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 515 2 (H254169-05)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *71.5-134*

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	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *89.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 516 2 (H254169-06)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *87.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 517 2 (H254169-07)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 519 2 (H254169-08)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *80.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 520 2 (H254169-09)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *82.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 521 2 (H254169-10)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *85.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 522 2 (H254169-11)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *85.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 523 2 (H254169-12)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *83.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 524 2 (H254169-13)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	07/15/2025	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	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 525 2 (H254169-14)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

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	07/15/2025	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *96.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 526 2 (H254169-15)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 527 2 (H254169-16)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *91.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 528 2 (H254169-17)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 529 2 (H254169-18)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *83.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 530 2 (H254169-19)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *93.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 531 2 (H254169-20)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 532 2 (H254169-21)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *89.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 533 2 (H254169-22)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 534 2 (H254169-23)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *91.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 535 2 (H254169-24)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 536 2 (H254169-25)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *96.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 537 2 (H254169-26)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *93.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 538 2 (H254169-27)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 539 2 (H254169-28)

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	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *76.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 540 2 (H254169-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.98	99.1	2.00	3.82	
Toluene*	<0.050	0.050	07/15/2025	ND	2.05	102	2.00	1.26	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.185	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.00	100	6.00	0.208	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**800**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *79.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 541 2 (H254169-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.96	98.2	2.00	0.985	
Toluene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.521	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.858	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.24	104	6.00	0.453	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *88.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 542 2 (H254169-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.96	98.2	2.00	0.985	
Toluene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.521	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.858	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.24	104	6.00	0.453	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *80.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 543 2 (H254169-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.96	98.2	2.00	0.985	
Toluene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.521	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.858	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.24	104	6.00	0.453	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 544 2 (H254169-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.96	98.2	2.00	0.985	
Toluene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.521	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.858	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.24	104	6.00	0.453	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	187	93.5	200	2.74	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	97.8	200	0.0792	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *97.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 545 2 (H254169-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.96	98.2	2.00	0.985	
Toluene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.521	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.858	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.24	104	6.00	0.453	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/15/2025	ND	480	120	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	07/15/2025	ND	213	106	200	0.293	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	98.0	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *94.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 549 2 (H254169-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.96	98.2	2.00	0.985	
Toluene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.521	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.858	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.24	104	6.00	0.453	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	07/15/2025	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	07/15/2025	ND	213	106	200	0.293	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	98.0	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *87.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 550 2 (H254169-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.96	98.2	2.00	0.985	
Toluene*	<0.050	0.050	07/15/2025	ND	2.04	102	2.00	0.521	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.08	104	2.00	0.858	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.24	104	6.00	0.453	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	07/15/2025	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	07/15/2025	ND	213	106	200	0.293	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	196	98.0	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane *93.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1414 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254110																		
1	FS 511	2	C	1			✓					✓		7/10/2025	900	✓	✓	✓
2	FS 512	2	C	1			✓					✓		7/10/2025	903	✓	✓	✓
3	FS 513	2	C	1			✓					✓		7/10/2025	906	✓	✓	✓
4	FS 514	2	C	1			✓					✓		7/10/2025	912	✓	✓	✓
5	FS 515	2	C	1			✓					✓		7/10/2025	936	✓	✓	✓
6	FS 516	2	C	1			✓					✓		7/10/2025	918	✓	✓	✓
7	FS 517	2	C	1			✓					✓		7/10/2025	921	✓	✓	✓
8	FS 519	2	C	1			✓					✓		7/10/2025	927	✓	✓	✓
9	FS 520	2	C	1			✓					✓		7/10/2025	930	✓	✓	✓
10	FS 521	2	C	1			✓					✓		7/10/2025	933	✓	✓	✓

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 consequental 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.

Relinquished By:	Date: 7-14-25	Received By:	
Relinquished By:	Time: 629	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 3.5
Corrected Temp. °C 3.8

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Thermometer ID #140
Correction Factor +0.3°C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1415 of 1704

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254169																		
11	FS 522	2	C	1			✓					✓		7/10/2025	942	✓	✓	✓
12	FS 523	2	C	1			✓					✓		7/10/2025	1024	✓	✓	✓
13	FS 524	2	C	1			✓					✓		7/10/2025	948	✓	✓	✓
14	FS 525	2	C	1			✓					✓		7/10/2025	951	✓	✓	✓
15	FS 526	2	C	1			✓					✓		7/10/2025	954	✓	✓	✓
16	FS 527	2	C	1			✓					✓		7/10/2025	957	✓	✓	✓
17	FS 528	2	C	1			✓					✓		7/10/2025	1000	✓	✓	✓
18	FS 529	2	C	1			✓					✓		7/10/2025	1027	✓	✓	✓
19	FS 530	2	C	1			✓					✓		7/10/2025	1030	✓	✓	✓
20	FS 531	2	C	1			✓					✓		7/10/2025	1009	✓	✓	✓

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 consequental 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.

Relinquished By:	Date: 7.14.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Evan Roe	Time: 1229		All Results are emailed. Please provide Email address: jreich@ensolum.com
Relinquished By:	Date:	Received By:	tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
	Time:		REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 35 Corrected Temp. °C 3.8

Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials) SB

Turnaround Time: Standard ☐ Rush ☐

Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1416 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254168																		
21	FS 532	2	C	1			✓					✓		7/10/2025	1012	✓	✓	✓
22	FS 533	2	C	1			✓					✓		7/10/2025	1015	✓	✓	✓
23	FS 534	2	C	1			✓					✓		7/10/2025	1030	✓	✓	✓
24	FS 535	2	C	1			✓					✓		7/10/2025	1300	✓	✓	✓
25	FS 536	2	C	1			✓					✓		7/10/2025	1303	✓	✓	✓
26	FS 537	2	C	1			✓					✓		7/10/2025	1306	✓	✓	✓
27	FS 538	2	C	1			✓					✓		7/10/2025	1309	✓	✓	✓
28	FS 539	2	C	1			✓					✓		7/10/2025	1312	✓	✓	✓
29	FS 540	2	C	1			✓					✓		7/10/2025	1315	✓	✓	✓
30	FS 541	2	C	1			✓					✓		7/10/2025	1318	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 7.14.25 Time: 1229	Received By: S Rodriguez	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
REMARKS:
NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.5 Corrected Temp. °C 3.8	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) SR	Turnaround Time: ☑ Standard ☐ Rush Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1417 of 1704

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254169																		
31	FS 542	2	C	1			✓					✓		7/10/2025	1321	✓	✓	✓
32	FS 543	2	C	1			✓					✓		7/10/2025	1324	✓	✓	✓
33	FS 544	2	C	1			✓					✓		7/10/2025	1327	✓	✓	✓
34	FS 545	2	C	1			✓					✓		7/10/2025	1330	✓	✓	✓
35	FS 549	2	C	1			✓					✓		7/10/2025	1342	✓	✓	✓
36	FS 550	2	C	1			✓					✓		7/10/2025	1345	✓	✓	✓

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.

Relinquished By:	Date: 7-14-25	Received By:	
Evan Roe	Time: 1229		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 3.5	Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) SR
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.8		

Turnaround Time: Standard ☐ Rush ☐
Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 23, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/17/25 14:42.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 611 3 (H254319-01)

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	07/20/2025	ND	2.00	99.8	2.00	0.330	
Toluene*	<0.050	0.050	07/20/2025	ND	2.05	102	2.00	0.596	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.03	101	2.00	1.40	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	5.94	99.0	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.1 %* *71.5-134*

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	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *91.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 612 3 (H254319-02)

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	07/20/2025	ND	2.00	99.8	2.00	0.330	
Toluene*	<0.050	0.050	07/20/2025	ND	2.05	102	2.00	0.596	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.03	101	2.00	1.40	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	5.94	99.0	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

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	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *71.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 613 2 (H254319-03)

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	07/20/2025	ND	2.00	99.8	2.00	0.330	
Toluene*	<0.050	0.050	07/20/2025	ND	2.05	102	2.00	0.596	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.03	101	2.00	1.40	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	5.94	99.0	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *71.5-134*

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	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *87.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 614 3 (H254319-04)

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	07/20/2025	ND	2.00	99.8	2.00	0.330	
Toluene*	<0.050	0.050	07/20/2025	ND	2.05	102	2.00	0.596	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.03	101	2.00	1.40	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	5.94	99.0	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *84.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 615 3 (H254319-05)

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	07/20/2025	ND	2.00	99.8	2.00	0.330	
Toluene*	<0.050	0.050	07/20/2025	ND	2.05	102	2.00	0.596	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.03	101	2.00	1.40	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	5.94	99.0	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *78.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 616 4 (H254319-06)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *88.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 617 2 (H254319-07)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *83.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 98 0.5 (H254319-08)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

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	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *91.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 99 0.5 (H254319-09)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

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	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *89.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 100 0.5 (H254319-10)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *90.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 101 0.5 (H254319-11)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

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	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *91.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 102 0.5 (H254319-12)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 103 0.5 (H254319-13)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *96.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/15/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 104 0.5 (H254319-14)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1434 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254319	FS 611	3					✓					✓		7/15/2025	1424	✓	✓	✓
2	FS 612	3					✓					✓		7/15/2025	1427	✓	✓	✓
3	FS 613	2					✓					✓		7/15/2025	933	✓	✓	✓
4	FS 614	3					✓					✓		7/15/2025	1110	✓	✓	✓
5	FS 615	3					✓					✓		7/15/2025	954	✓	✓	✓
6	FS 616	4					✓					✓		7/15/2025	1100	✓	✓	✓
7	FS 617	2					✓					✓		7/15/2025	1430	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 7.17.25 Time: 1442	Received By:	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 27 Corrected Temp. °C 3.0	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials) AD

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
REMARKS:
NAPP2505952408

Turnaround Time: Standard ☐ Rush ☐
Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1435 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254319																			
8	CS	98	0.5					✓					✓		7/15/2025	1400	✓	✓	✓
9	CS	99	0.5					✓					✓		7/15/2025	1403	✓	✓	✓
10	CS	100	0.5					✓					✓		7/15/2025	1406	✓	✓	✓
11	CS	101	0.5					✓					✓		7/15/2025	1409	✓	✓	✓
12	CS	102	0.5					✓					✓		7/15/2025	1412	✓	✓	✓
13	CS	103	0.5					✓					✓		7/15/2025	1415	✓	✓	✓
14	CS	104	0.5					✓					✓		7/15/2025	1418	✓	✓	✓

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.

Relinquished By:	Date: 7.17.25	Received By:	
	Time: 1442		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 27	Sample Condition Cool: ☐ Yes ☑ Yes	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☐	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.0	Intact: ☐ Yes ☑ Yes ☐ No ☐ No		Thermometer ID #140 Correction Factor +0.3°C	Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 23, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/17/25 14:42.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 255 3.5 (H254320-01)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *77.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 369 2 (H254320-02)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/21/2025	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	07/19/2025	ND	194	97.0	200	1.96	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	215	107	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *81.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 468 3 (H254320-03)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *80.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 473 3.5 (H254320-04)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *83.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 574 2 (H254320-05)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *81.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 579 2 (H254320-06)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**704**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *89.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 589 2.5 (H254320-07)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *84.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 591 2 (H254320-08)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *93.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 592 2 (H254320-09)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *93.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 593 2 (H254320-10)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *87.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 594 2 (H254320-11)

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	07/19/2025	ND	2.03	102	2.00	5.50	
Toluene*	<0.050	0.050	07/19/2025	ND	2.14	107	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/19/2025	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	07/19/2025	ND	6.64	111	6.00	4.08	
Total BTEX	<0.300	0.300	07/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *89.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 595 2 (H254320-12)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 596 2 (H254320-13)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *127 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	07/21/2025	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	07/19/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 597 2 (H254320-14)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *79.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 598 2 (H254320-15)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *74.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 599 2 (H254320-16)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**656**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *86.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 600 2 (H254320-17)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *85.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 601 2 (H254320-18)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *87.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 602 2 (H254320-19)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *90.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 603 2 (H254320-20)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *93.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 604 2 (H254320-21)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *68.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *63.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 605 2 (H254320-22)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	07/21/2025	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	07/20/2025	ND	221	110	200	1.95	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	200	100	200	0.954	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *89.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 606 2 (H254320-23)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	07/21/2025	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	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *66.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 607 2 (H254320-24)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	07/21/2025	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	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *76.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 608 2 (H254320-25)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/21/2025	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	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *70.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 609 2 (H254320-26)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/21/2025	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	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *75.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 610 2 (H254320-27)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/21/2025	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	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *83.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 40 0-2 (H254320-28)

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	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/21/2025	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	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *76.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 41 0-2 (H254320-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	07/21/2025	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	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *80.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/14/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 42 0-2.5 (H254320-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/21/2025	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	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *81.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254320																		
1	FS 255	3.5					✓					✓		7/14/2025	1000	✓	✓	✓
2	FS 369	2					✓					✓		7/14/2025	1003	✓	✓	✓
3	FS 468	3					✓					✓		7/14/2025	1006	✓	✓	✓
4	FS 473	3.5					✓					✓		7/14/2025	1009	✓	✓	✓
5	FS 574	2					✓					✓		7/14/2025	1100	✓	✓	✓
6	FS 579	2					✓					✓		7/14/2025	1018	✓	✓	✓
7	FS 589	2.5					✓					✓		7/14/2025	1021	✓	✓	✓
8	FS 591	2					✓					✓		7/14/2025	1024	✓	✓	✓
9	FS 592	2					✓					✓		7/14/2025	1027	✓	✓	✓
10	FS 593	2					✓					✓		7/14/2025	1030	✓	✓	✓

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.

Relinquished By: Evan R	Date: 7.17.25 Time: 1442	Received By: apacheco	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.7 Corrected Temp. °C 3.0	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) AP	Turnaround Time: Standard ☐ Rush ☐ Thermometer ID #140 146 Correction Factor +0.3°C -0.3	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1469 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
1254320																			
11	FS	594		2				✓					✓		7/14/2025	1033	✓	✓	✓
12	FS	595		2				✓					✓		7/14/2025	1036	✓	✓	✓
13	FS	596		2				✓					✓		7/14/2025	1039	✓	✓	✓
14	FS	597		2				✓					✓		7/14/2025	1042	✓	✓	✓
15	FS	598		2				✓					✓		7/14/2025	1045	✓	✓	✓
16	FS	599		2				✓					✓		7/14/2025	1048	✓	✓	✓
17	FS	600		2				✓					✓		7/14/2025	1051	✓	✓	✓
18	FS	601		2				✓					✓		7/14/2025	1054	✓	✓	✓
19	FS	602		2				✓					✓		7/14/2025	1057	✓	✓	✓
20	FS	603		2				✓					✓		7/14/2025	1300	✓	✓	✓

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.

Relinquished By:	Date: 7.17.25	Received By:	
	Time: 1442		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.7	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☐ Standard ☐ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.0				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1470 of 1704

Page 35 of 35

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Page 3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254320																		
21	FS 604	2					✓					✓		7/14/2025	1318	✓	✓	✓
22	FS 605	2					✓					✓		7/14/2025	1306	✓	✓	✓
23	FS 606	2					✓					✓		7/14/2025	1309	✓	✓	✓
24	FS 607	2					✓					✓		7/14/2025	1312	✓	✓	✓
25	FS 608	2					✓					✓		7/14/2025	1315	✓	✓	✓
26	FS 609	2					✓					✓		7/14/2025	1321	✓	✓	✓
27	FS 610	2					✓					✓		7/14/2025	1324	✓	✓	✓
28	SW 40	0-2					✓					✓		7/14/2025	1327	✓	✓	✓
29	SW 41	0-2					✓					✓		7/14/2025	1336	✓	✓	✓
30	Sw 42	0-2.5					✓					✓		7/14/2025	1333	✓	✓	✓

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.

Relinquished By:	Date: 7-17-25	Received By:	
Evan Roe	Time: 1442		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.7	Sample Condition Cool Intact ☑ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) DR	Turnaround Time: Standard ☐ Rush ☐	Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.0			Thermometer ID #140 Correction Factor +0.3°C	Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 23, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/17/25 14:42.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/16/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 618 2 (H254323-01)

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	07/20/2025	ND	2.01	100	2.00	2.64	
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/21/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *80.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/16/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 619 2 (H254323-02)

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	07/20/2025	ND	2.01	100	2.00	2.64	
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/21/2025	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	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *87.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/16/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 620 2 (H254323-03)

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	07/20/2025	ND	2.01	100	2.00	2.64	
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15	
Total BTEX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/21/2025	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	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *91.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/16/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 621 2 (H254323-04)

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	07/21/2025	ND	2.02	101	2.00	1.09	
Toluene*	<0.050	0.050	07/21/2025	ND	2.06	103	2.00	1.03	
Ethylbenzene*	<0.050	0.050	07/21/2025	ND	2.03	101	2.00	1.45	
Total Xylenes*	<0.150	0.150	07/21/2025	ND	6.00	99.9	6.00	1.56	
Total BTEX	<0.300	0.300	07/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/21/2025	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	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *81.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/16/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 622 2 (H254323-05)

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	07/21/2025	ND	2.02	101	2.00	1.09	
Toluene*	<0.050	0.050	07/21/2025	ND	2.06	103	2.00	1.03	
Ethylbenzene*	<0.050	0.050	07/21/2025	ND	2.03	101	2.00	1.45	
Total Xylenes*	<0.150	0.150	07/21/2025	ND	6.00	99.9	6.00	1.56	
Total BTEX	<0.300	0.300	07/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/21/2025	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	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *87.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/16/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 625 1.5 (H254323-06)

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	07/21/2025	ND	2.02	101	2.00	1.09	
Toluene*	<0.050	0.050	07/21/2025	ND	2.06	103	2.00	1.03	
Ethylbenzene*	<0.050	0.050	07/21/2025	ND	2.03	101	2.00	1.45	
Total Xylenes*	<0.150	0.150	07/21/2025	ND	6.00	99.9	6.00	1.56	
Total BTEX	<0.300	0.300	07/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/21/2025	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	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane *78.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/16/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 626 1.5 (H254323-07)

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	07/21/2025	ND	2.02	101	2.00	1.09	
Toluene*	<0.050	0.050	07/21/2025	ND	2.06	103	2.00	1.03	
Ethylbenzene*	<0.050	0.050	07/21/2025	ND	2.03	101	2.00	1.45	
Total Xylenes*	<0.150	0.150	07/21/2025	ND	6.00	99.9	6.00	1.56	
Total BTEX	<0.300	0.300	07/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	07/21/2025	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	07/20/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *80.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/17/2025	Sampling Date:	07/16/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 630 1.5 (H254323-08)

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	07/21/2025	ND	2.02	101	2.00	1.09	
Toluene*	<0.050	0.050	07/21/2025	ND	2.06	103	2.00	1.03	
Ethylbenzene*	<0.050	0.050	07/21/2025	ND	2.03	101	2.00	1.45	
Total Xylenes*	<0.150	0.150	07/21/2025	ND	6.00	99.9	6.00	1.56	
Total BTEX	<0.300	0.300	07/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/21/2025	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	07/20/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane *73.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1481 of 1704

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ___ of ___

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254323																		
1	FS 618	2					✓					✓		7/16/2025	930	✓	✓	✓
2	FS 619	2					✓					✓		7/16/2025	945	✓	✓	✓
3	FS 620	2					✓					✓		7/16/2025	948	✓	✓	✓
4	FS 621	2					✓					✓		7/16/2025	951	✓	✓	✓
5	FS 622	2					✓					✓		7/16/2025	942	✓	✓	✓
6	FS 625	1.5					✓					✓		7/16/2025	1106	✓	✓	✓
7	FS 626	1.5					✓					✓		7/16/2025	1109	✓	✓	✓
8	FS ~~628~~ 630	1.5					✓					✓		7/16/2025	1115	✓	✓	✓
	AP 7.17.25																	

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.

Relinquished By:	Date: 7.17.25	Received By:	
	Time: 1442		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition Cool / Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.7 / 3.0	☑ Yes ☑ Yes ☐ No ☐ No	AP	Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No / Observed Temp. °C / Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 24, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/21/25 12:35.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/17/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 44 0-2' (H254361-01)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	07/22/2025	ND	464	116	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *110 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/17/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 45 0-3' (H254361-02)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/22/2025	ND	464	116	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *99.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1486 of 1704

Page 5 of 5

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland **State:** TX **Zip:** 79701
Phone #:	432-296-0627 **Fax #:**
Project #:	03C2284006 **Project Owner:** Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM **Zip:** 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254361																			
1	SW	44	0-2	C	1			✓					✓		7/17/2025	1003	✓	✓	✓
2	SW	45	0-3	C	1			✓					✓		7/17/2025	1006	✓	✓	✓

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.

Relinquished By:	Evan Roe	**Date:** 7.21.25 **Time:** 1235	**Received By:** Aparos
Relinquished By:		**Date:** **Time:**	**Received By:**

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** 0.1 **Corrected Temp. °C** 0.4	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** AP	**Turnaround Time:** Standard ☑ Rush ☐ **Thermometer ID** #140 **Correction Factor** +0.3°C	**Bacteria (only) Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 24, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/21/25 12:35.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 508 2.5' (H254363-01)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	07/22/2025	ND	480	120	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	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *96.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 523 2.5' (H254363-02)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	07/22/2025	ND	480	120	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	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *96.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 532 2.5' (H254363-03)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	07/22/2025	ND	480	120	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	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 540 2.5' (H254363-04)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/22/2025	ND	480	120	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	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *96.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 550 2.5' (H254363-05)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/22/2025	ND	480	120	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	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 566 3' (H254363-06)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/22/2025	ND	480	120	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	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *98.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 574 2' (H254363-07)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/22/2025	ND	480	120	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	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *83.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/21/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 582 2.5' (H254363-08)

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	07/23/2025	ND	2.05	102	2.00	3.46	
Toluene*	<0.050	0.050	07/23/2025	ND	2.05	103	2.00	3.59	
Ethylbenzene*	<0.050	0.050	07/23/2025	ND	2.06	103	2.00	3.11	
Total Xylenes*	<0.150	0.150	07/23/2025	ND	6.16	103	6.00	2.97	
Total BTEX	<0.300	0.300	07/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	07/22/2025	ND	480	120	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	07/23/2025	ND	214	107	200	0.866	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	201	100	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1497 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 01

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254363-1	FS	508	2.5	C	1			✓					✓		7/18/2025	1000	✓	✓	✓
2	FS	523	2.5	C	1			✓					✓		7/18/2025	1003	✓	✓	✓
3	FS	532	2.5	C	1			✓					✓		7/18/2025	906	✓	✓	✓
4	FS	540	2.5	C	1			✓					✓		7/18/2025	1100	✓	✓	✓
5	FS	550	2.5	C	1			✓					✓		7/18/2025	1130	✓	✓	✓
6	FS	566	3	C	1			✓					✓		7/18/2025	1103	✓	✓	✓
7	FS	574	2	C	1			✓					✓		7/18/2025	1012	✓	✓	✓
8	FS	582	2.5	C	1			✓					✓		7/18/2025	1106	✓	✓	✓

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.

Relinquished By: Evan R	Date: 7.21.25 Time: 1235	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: jreich@ensolum.com tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com
			REMARKS: NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.1 Corrected Temp. °C 0.4	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials) AT	Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 28, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/22/25 13:05.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 623 3' (H254405-01)

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	07/25/2025	ND	1.98	99.1	2.00	4.92	
Toluene*	<0.050	0.050	07/25/2025	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.13	106	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.80	113	6.00	3.01	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	07/23/2025	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	07/24/2025	ND	196	97.8	200	0.523	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	185	92.4	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *84.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 624 3' (H254405-02)

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	07/24/2025	ND	1.98	99.1	2.00	4.92	
Toluene*	<0.050	0.050	07/24/2025	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.13	106	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.80	113	6.00	3.01	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	07/23/2025	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	07/24/2025	ND	196	97.8	200	0.523	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	185	92.4	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *75.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 627 4' (H254405-03)

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	07/24/2025	ND	1.98	99.1	2.00	4.92	
Toluene*	<0.050	0.050	07/24/2025	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.13	106	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.80	113	6.00	3.01	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-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	07/23/2025	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	07/24/2025	ND	196	97.8	200	0.523	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	185	92.4	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *79.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 628 3' (H254405-04)

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	07/24/2025	ND	1.98	99.1	2.00	4.92	
Toluene*	<0.050	0.050	07/24/2025	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.13	106	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.80	113	6.00	3.01	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	07/23/2025	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	07/24/2025	ND	196	97.8	200	0.523	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	185	92.4	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *69.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 629 3' (H254405-05)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/23/2025	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	07/24/2025	ND	196	97.8	200	0.523	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	185	92.4	200	0.523	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *78.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 631 3' (H254405-06)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/23/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *71.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 632 4' (H254405-07)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/23/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *64.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 633 4' (H254405-08)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/23/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *66.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 634 4' (H254405-09)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-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	07/23/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *64.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 635 4' (H254405-10)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/23/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *74.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 636 3' (H254405-11)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	07/23/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *77.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 43 0-2' (H254405-12)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

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	07/23/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *69.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 44 0-2' (H254405-13)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	07/24/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *64.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 47 0-4' (H254405-14)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/24/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *71.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 48 0-3' (H254405-15)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/24/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *62.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 49 0-4' (H254405-16)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/24/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *74.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 50 0-4' (H254405-17)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/24/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *74.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 51 0-3' (H254405-18)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/24/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *73.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 52 0-3' (H254405-19)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/24/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *81.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/22/2025	Sampling Date:	07/21/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 53 0-3' (H254405-20)

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	07/24/2025	ND	1.91	95.5	2.00	2.96	
Toluene*	<0.050	0.050	07/24/2025	ND	1.95	97.6	2.00	3.93	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	2.00	99.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.04	101	6.00	3.96	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/24/2025	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	07/24/2025	ND	187	93.4	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	194	96.9	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane *80.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1520 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland **State:** TX **Zip:** 79701
Phone #:	432-296-0627 **Fax #:**
Project #:	03C2284006 **Project Owner:** Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM **Zip:** 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254405 1	FS 623	3	C	1			✓					✓		7/21/2025	1300	✓	✓	✓
2	FS 624	3	C	1			✓					✓		7/21/2025	1302	✓	✓	✓
3	FS 627	4	C	1			✓					✓		7/21/2025	1100	✓	✓	✓
4	FS 628	3	C	1			✓					✓		7/21/2025	1400	✓	✓	✓
5	FS 629	3	C	1			✓					✓		7/21/2025	1304	✓	✓	✓
6	FS 631	3	C	1			✓					✓		7/21/2025	1306	✓	✓	✓
7	FS 632	4	C	1			✓					✓		7/21/2025	1102	✓	✓	✓
8	FS 633	4	C	1			✓					✓		7/21/2025	1104	✓	✓	✓
9	FS 634	4	C	1			✓					✓		7/21/2025	1402	✓	✓	✓
10	FS 635	4	C	1			✓					✓		7/21/2025	1404	✓	✓	✓

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.

Relinquished By: Evan R	Date: 7-22-25 Time: 1305	**Received By:** Tamara Oldaker	
Relinquished By:	Date: Time:	**Received By:**	

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.8 Corrected Temp. °C 2.1	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials)	**Turnaround Time:** Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1521 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland **State:** TX **Zip:** 79701
Phone #:	432-296-0627 **Fax #:**
Project #:	03C2284006 **Project Owner:** Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM **Zip:** 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
~~H25~~ 144O5																			
11	FS	636	3	C	1			✓					✓		7/21/2025	1406	✓	✓	✓
12	SW	43	0-2	C	1			✓					✓		7/21/2025	1000	✓	✓	✓
13	SW	44	0-2	C	1			✓					✓		7/21/2025	1010	✓	✓	✓
14	SW	47	0-4	C	1			✓					✓		7/21/2025	1008	✓	✓	✓
15	SW	48	0-3	C	1			✓					✓		7/21/2025	1006	✓	✓	✓
16	SW	49	0-4	C	1			✓					✓		7/21/2025	1408	✓	✓	✓
17	SW	50	0-4	C	1			✓					✓		7/21/2025	1410	✓	✓	✓
18	SW	51	0-3	C	1			✓					✓		7/21/2025	1412	✓	✓	✓
19	SW	52	0-3	C	1			✓					✓		7/21/2025	1414	✓	✓	✓
20	SW	53	0-3	C	1			✓					✓		7/21/2025	1416	✓	✓	✓

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.

Relinquished By:	Evan R	**Date:** 7-22-25 **Time:** 1305	**Received By:** Tamara Oldaker
Relinquished By:		**Date:** **Time:**	**Received By:**

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 1.8 **Corrected Temp. °C** 2.1

Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 30, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/24/25 15:10.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 117 0.5' (H254493-01)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/25/2025	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	07/25/2025	ND	205	102	200	3.57	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	195	97.7	200	0.256	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *91.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 123 0.5' (H254493-02)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	205	102	200	3.57	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	195	97.7	200	0.256	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *92.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 124 0.5' (H254493-03)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *74.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 125 0.5' (H254493-04)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *86.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 126 0.5' (H254493-05)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *78.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 127 0.5' (H254493-06)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *81.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 128 0.5' (H254493-07)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 129 0.5' (H254493-08)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *83.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 130 0.5' (H254493-09)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *77.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 131 0.5' (H254493-10)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *79.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 132 0.5' (H254493-11)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *78.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 133 0.5' (H254493-12)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *83.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 134 0.5' (H254493-13)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *81.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 135 0.5' (H254493-14)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *72.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 136 0.5' (H254493-15)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *83.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 137 0.5' (H254493-16)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *81.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 138 0.5' (H254493-17)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 139 0.5' (H254493-18)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	191	95.3	200	8.27	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	190	94.8	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *87.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 141 0.5' (H254493-19)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *89.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 37 0.5' (H254493-20)

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	07/25/2025	ND	1.76	88.0	2.00	5.93	
Toluene*	<0.050	0.050	07/25/2025	ND	1.91	95.5	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.99	99.5	2.00	3.49	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.11	102	6.00	4.67	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *79.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 55 0.5' (H254493-21)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *99.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 56 0.5' (H254493-22)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *96.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 57 0.5' (H254493-23)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *84.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 638 0.5' (H254493-24)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *94.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 639 0.5' (H254493-25)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *90.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/23/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 640 0.5' (H254493-26)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1550 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254493-1	CS 117	0.5	C	1			✓					✓		7/23/2025	833	✓	✓	✓
2	CS 123	0.5	C	1			✓					✓		7/23/2025	900	✓	✓	✓
3	CS 124	0.5	C	1			✓					✓		7/23/2025	903	✓	✓	✓
4	CS 125	0.5	C	1			✓					✓		7/23/2025	906	✓	✓	✓
5	CS 126	0.5	C	1			✓					✓		7/23/2025	909	✓	✓	✓
6	CS 127	0.5	C	1			✓					✓		7/23/2025	912	✓	✓	✓
7	CS 128	0.5	C	1			✓					✓		7/23/2025	915	✓	✓	✓
8	CS 129	0.5	C	1			✓					✓		7/23/2025	1100	✓	✓	✓
9	CS 130	0.5	C	1			✓					✓		7/23/2025	921	✓	✓	✓
10	CS 131	0.5	C	1			✓					✓		7/23/2025	924	✓	✓	✓

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.

Relinquished By:	Date: 7.24.25	Received By:	
	Time: 1510		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C 1.7
Corrected Temp. °C 2.0

Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials) KP

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1551 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254493																			
11	CS	132	0.5	C	1			✓					✓		7/23/2025	927	✓	✓	✓
12	CS	133	0.5	C	1			✓					✓		7/23/2025	948	✓	✓	✓
13	CS	134	0.5	C	1			✓					✓		7/23/2025	1102	✓	✓	✓
14	CS	135	0.5	C	1			✓					✓		7/23/2025	933	✓	✓	✓
15	CS	136	0.5	C	1			✓					✓		7/23/2025	936	✓	✓	✓
16	CS	137	0.5	C	1			✓					✓		7/23/2025	939	✓	✓	✓
17	CS	138	0.5	C	1			✓					✓		7/23/2025	942	✓	✓	✓
18	CS	139	0.5	C	2			✓					✓		7/23/2025	1400	✓	✓	✓
19	CS	141	0.5	C	3			✓					✓		7/23/2025	1406	✓	✓	✓

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.

Relinquished By:	Date: 7.24.25	Received By:	
	Time: 1510		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 1.7	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) AD	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.0				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1552 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland **State:** TX **Zip:** 79701
Phone #:	432-296-0627 **Fax #:**
Project #:	03C2284006 **Project Owner:** Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM **Zip:** 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H264493																			
20	SW	37	0.5	C	1			✓					✓		7/23/2025	927	✓	✓	✓
21	SW	55	0.5	C	1			✓					✓		7/23/2025	948	✓	✓	✓
22	SW	56	0.5	C	1			✓					✓		7/23/2025	1102	✓	✓	✓
23	SW	57	0.5	C	1			✓					✓		7/23/2025	933	✓	✓	✓
24	FS	638	0.5	C	1			✓					✓		7/23/2025	936	✓	✓	✓
25	FS	639	0.5	C	1			✓					✓		7/23/2025	939	✓	✓	✓
26	FS	640	0.5	C	1			✓					✓		7/23/2025	942	✓	✓	✓

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.

Relinquished By:	Date: 7.24.25	**Received By:**	
	Time: 1510		
Relinquished By:	Date:	**Received By:**	
	Time:		

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 1.7	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.0				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 30, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/24/25 15:10.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 637 1' (H254494-01)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 54 0-1' (H254494-02)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *95.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 105 0.5' (H254494-03)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 106 0.5' (H254494-04)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *86.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 107 0.5' (H254494-05)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *92.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 108 0.5' (H254494-06)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/25/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *91.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 109 0.5' (H254494-07)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	07/25/2025	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	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *77.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 110 0.5' (H254494-08)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 111 0.5' (H254494-09)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *86.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 112 0.5' (H254494-10)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *87.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 113 0.5' (H254494-11)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *84.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 114 0.5' (H254494-12)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	234	117	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	229	115	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 115 0.5' (H254494-13)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/25/2025	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	07/25/2025	ND	204	102	200	4.34	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	226	113	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *73.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 118 0.5' (H254494-14)

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	07/25/2025	ND	1.90	94.8	2.00	3.77	
Toluene*	<0.050	0.050	07/25/2025	ND	1.97	98.3	2.00	2.54	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	2.02	101	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	6.31	105	6.00	3.74	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	204	102	200	4.34	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	226	113	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 121 0.5' (H254494-15)

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	07/25/2025	ND	1.86	92.9	2.00	3.71	
Toluene*	<0.050	0.050	07/25/2025	ND	1.93	96.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.95	97.6	2.00	3.15	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	5.86	97.7	6.00	2.55	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	204	102	200	4.34	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	226	113	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *83.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/24/2025	Sampling Date:	07/22/2025
Reported:	07/30/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 122 0.5' (H254494-16)

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	07/25/2025	ND	1.86	92.9	2.00	3.71	
Toluene*	<0.050	0.050	07/25/2025	ND	1.93	96.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	07/25/2025	ND	1.95	97.6	2.00	3.15	
Total Xylenes*	<0.150	0.150	07/25/2025	ND	5.86	97.7	6.00	2.55	
Total BTEX	<0.300	0.300	07/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	07/25/2025	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	07/25/2025	ND	204	102	200	4.34	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	226	113	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane *81.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1571 of 1704

Page 19 of 20

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254494																			
1	FS	637	1	C	1			✓					✓		7/22/2025	1100	✓	✓	✓
2	SW	54	0-1	C	1			✓					✓		7/22/2025	1102	✓	✓	✓
3	CS	105	0.5	C	1			✓					✓		7/22/2025	1300	✓	✓	✓
4	CS	106	0.5	C	1			✓					✓		7/22/2025	1302	✓	✓	✓
5	CS	107	0.5	C	1			✓					✓		7/22/2025	1304	✓	✓	✓
6	CS	108	0.5	C	1			✓					✓		7/22/2025	1306	✓	✓	✓
7	CS	109	0.5	C	1			✓					✓		7/22/2025	1308	✓	✓	✓
8	CS	110	0.5	C	1			✓					✓		7/22/2025	1310	✓	✓	✓
9	CS	111	0.5	C	1			✓					✓		7/22/2025	1312	✓	✓	✓
10	CS	112	0.5	C	1			✓					✓		7/22/2025	1314	✓	✓	✓

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.

Relinquished By: Evan Roe	Date: 7.24.25 Time: 1510	Received By:	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 17.3
Corrected Temp. °C 17.6

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) HD

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1572 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State:	NM Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254494																			
11	CS	113	0.5	C	1			✓					✓		7/22/2025	1320	✓	✓	✓
12	CS	114	0.5	C	1			✓					✓		7/22/2025	1318	✓	✓	✓
13	CS	115	0.5	C	1			✓					✓		7/22/2025	1322	✓	✓	✓
14	CS	118	0.5	C	1			✓					✓		7/22/2025	1328	✓	✓	✓
15	CS	121	0.5	C	1			✓					✓		7/22/2025	1334	✓	✓	✓
16	CS	122	0.5	C	1			✓					✓		7/22/2025	1336	✓	✓	✓

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.

Relinquished By:	Date: 7.24.25	Received By:	
Evan R	Time: 1510		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 17.2	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 20.1				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 31, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/25/25 11:24.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 140 0.5' (H254537-01)

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	07/29/2025	ND	2.08	104	2.00	3.00	
Toluene*	<0.050	0.050	07/29/2025	ND	2.09	104	2.00	3.64	
Ethylbenzene*	<0.050	0.050	07/29/2025	ND	2.07	103	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/29/2025	ND	6.18	103	6.00	4.01	
Total BTEX	<0.300	0.300	07/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/28/2025	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	07/28/2025	ND	185	92.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	183	91.5	200	0.436	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *82.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 142 0.5' (H254537-02)

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	07/29/2025	ND	2.08	104	2.00	3.00	
Toluene*	<0.050	0.050	07/29/2025	ND	2.09	104	2.00	3.64	
Ethylbenzene*	<0.050	0.050	07/29/2025	ND	2.07	103	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/29/2025	ND	6.18	103	6.00	4.01	
Total BTEX	<0.300	0.300	07/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/28/2025	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	07/28/2025	ND	185	92.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	183	91.5	200	0.436	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 143 0.5' (H254537-03)

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	07/29/2025	ND	2.08	104	2.00	3.00	
Toluene*	<0.050	0.050	07/29/2025	ND	2.09	104	2.00	3.64	
Ethylbenzene*	<0.050	0.050	07/29/2025	ND	2.07	103	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/29/2025	ND	6.18	103	6.00	4.01	
Total BTEX	<0.300	0.300	07/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	07/28/2025	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	07/28/2025	ND	185	92.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	183	91.5	200	0.436	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *90.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 144 0.5' (H254537-04)

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	07/29/2025	ND	2.08	104	2.00	3.00	
Toluene*	<0.050	0.050	07/29/2025	ND	2.09	104	2.00	3.64	
Ethylbenzene*	<0.050	0.050	07/29/2025	ND	2.07	103	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/29/2025	ND	6.18	103	6.00	4.01	
Total BTEX	<0.300	0.300	07/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/28/2025	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	07/28/2025	ND	185	92.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	183	91.5	200	0.436	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *91.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 145 0.5' (H254537-05)

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	07/29/2025	ND	2.08	104	2.00	3.00	
Toluene*	<0.050	0.050	07/29/2025	ND	2.09	104	2.00	3.64	
Ethylbenzene*	<0.050	0.050	07/29/2025	ND	2.07	103	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/29/2025	ND	6.18	103	6.00	4.01	
Total BTEX	<0.300	0.300	07/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/28/2025	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	07/28/2025	ND	185	92.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	183	91.5	200	0.436	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 146 0.5' (H254537-06)

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	07/29/2025	ND	2.08	104	2.00	3.00	
Toluene*	<0.050	0.050	07/29/2025	ND	2.09	104	2.00	3.64	
Ethylbenzene*	<0.050	0.050	07/29/2025	ND	2.07	103	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/29/2025	ND	6.18	103	6.00	4.01	
Total BTEX	<0.300	0.300	07/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/28/2025	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	07/29/2025	ND	185	92.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	07/29/2025	ND	183	91.5	200	0.436	
EXT DRO >C28-C36	<10.0	10.0	07/29/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 147 0.5' (H254537-07)

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	07/29/2025	ND	2.08	104	2.00	3.00	
Toluene*	<0.050	0.050	07/29/2025	ND	2.09	104	2.00	3.64	
Ethylbenzene*	<0.050	0.050	07/29/2025	ND	2.07	103	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/29/2025	ND	6.18	103	6.00	4.01	
Total BTEX	<0.300	0.300	07/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *93.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 148 0.5' (H254537-08)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 149 0.5' (H254537-09)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *86.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 150 0.5' (H254537-10)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *96.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 151 0.5' (H254537-11)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *91.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 152 0.5' (H254537-12)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *71.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 155 0.5' (H254537-13)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 156 0.5' (H254537-14)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *91.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 159 0.5' (H254537-15)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *92.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 160 0.5' (H254537-16)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *95.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 161 0.5' (H254537-17)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *78.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 163 0.5' (H254537-18)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

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	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *86.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 164 0.5' (H254537-19)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *85.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 166 0.5' (H254537-20)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 167 0.5' (H254537-21)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 168 0.5' (H254537-22)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *91.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 172 0.5' (H254537-23)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *91.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 173 0.5' (H254537-24)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**656**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *89.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 58 0-2' (H254537-25)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

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	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *94.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 579 2.5' (H254537-26)

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	07/28/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/28/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/28/2025	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	07/28/2025	ND	221	111	200	0.319	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	206	103	200	0.670	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 595 2.5' (H254537-27)

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	07/29/2025	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	07/29/2025	ND	2.08	104	2.00	0.393	
Ethylbenzene*	<0.050	0.050	07/29/2025	ND	2.09	104	2.00	0.425	
Total Xylenes*	<0.150	0.150	07/29/2025	ND	6.35	106	6.00	0.399	
Total BTEX	<0.300	0.300	07/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	07/28/2025	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	07/28/2025	ND	219	110	200	0.953	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	210	105	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *108 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 599 2.5' (H254537-28)

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	07/28/2025	ND	2.30	115	2.00	1.20	
Toluene*	<0.050	0.050	07/28/2025	ND	2.31	115	2.00	0.157	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.30	115	2.00	0.0433	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	7.20	120	6.00	0.0231	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/28/2025	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	07/28/2025	ND	219	110	200	0.953	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	210	105	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/25/2025	Sampling Date:	07/24/2025
Reported:	07/31/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 641 2' (H254537-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2025	ND	2.30	115	2.00	1.20	
Toluene*	<0.050	0.050	07/28/2025	ND	2.31	115	2.00	0.157	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	2.30	115	2.00	0.0433	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	7.20	120	6.00	0.0231	
Total BTEX	<0.300	0.300	07/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

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	07/28/2025	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	07/28/2025	ND	219	110	200	0.953	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	210	105	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1604 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H251537																			
1	CS	140	0.5	C	1			✓					✓		7/24/2025	909	✓	✓	✓
2	CS	142	0.5	C	1			✓					✓		7/24/2025	912	✓	✓	✓
3	CS	143	0.5	C	1			✓					✓		7/24/2025	915	✓	✓	✓
4	CS	144	0.5	C	1			✓					✓		7/24/2025	918	✓	✓	✓
5	CS	145	0.5	C	1			✓					✓		7/24/2025	921	✓	✓	✓
6	CS	146	0.5	C	1			✓					✓		7/24/2025	924	✓	✓	✓
7	CS	147	0.5	C	1			✓					✓		7/24/2025	927	✓	✓	✓
8	CS	148	0.5	C	1			✓					✓		7/24/2025	930	✓	✓	✓
9	CS	149	0.5	C	1			✓					✓		7/24/2025	933	✓	✓	✓
10	CS	150	0.5	C	1			✓					✓		7/24/2025	936	✓	✓	✓

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.

Relinquished By:	Date: 7.25.25	Received By:	
Relinquished By:	Time: 1134	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.5 / 4.8	Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	AD	Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1605 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland **State:** TX **Zip:** 79701
Phone #:	432-296-0627 **Fax #:**
Project #:	03C2284006 **Project Owner:** Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM **Zip:**	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254537																			
11	CS	151	0.5	C	1			✓					✓		7/24/2025	939	✓	✓	✓
12	CS	152	0.5	C	1			✓					✓		7/24/2025	942	✓	✓	✓
13	CS	155	0.5	C	1			✓					✓		7/24/2025	951	✓	✓	✓
14	CS	156	0.5	C	1			✓					✓		7/24/2025	954	✓	✓	✓
15	CS	159	0.5	C	1			✓					✓		7/24/2025	1303	✓	✓	✓
16	CS	160	0.5	C	1			✓					✓		7/24/2025	1000	✓	✓	✓
17	CS	161	0.5	C	1			✓					✓		7/24/2025	1345	✓	✓	✓
18	CS	163	0.5	C	1			✓					✓		7/24/2025	1312	✓	✓	✓
19	CS	164	0.5	C	1			✓					✓		7/24/2025	1315	✓	✓	✓
20	CS	166	0.5	C	1			✓					✓		7/24/2025	1321	✓	✓	✓

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.

Relinquished By:	**Date:** 7.25.25	**Received By:**	
Relinquished By:	**Time:** 1134	**Received By:**	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS: NAPP2505952408

Delivered By: (Circle One)	**Observed Temp. °C**	**Sample Condition** Cool / Intact	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 4.5 4.8	☑ Yes ☑ Yes ☐ No ☐ No		Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition Cool / Intact ☐ Yes ☐ Yes ☐ No ☐ No — Observed Temp. °C — Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1606 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254537																			
21	CS	167	0.5	C	1			✓					✓		7/24/2025	1324	✓	✓	✓
22	CS	168	0.5	C	1			✓					✓		7/24/2025	1327	✓	✓	✓
23	CS	172	0.5	C	1			✓					✓		7/24/2025	1339	✓	✓	✓
24	CS	173	0.5	C	1			✓					✓		7/24/2025	1342	✓	✓	✓
25	SW	58	0-2	C	1			✓					✓		7/24/2025	1006	✓	✓	✓
26	FS	579	2.5	C	1			✓					✓		7/24/2025	900	✓	✓	✓
27	FS	595	2.5	C	1			✓					✓		7/24/2025	903	✓	✓	✓
28	FS	599	2.5	C	1			✓					✓		7/24/2025	906	✓	✓	✓
29	~~FS~~	~~638~~ FS 641	2	C	1			✓					✓		7/24/2025	1003	✓	✓	✓
30																			

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.

Relinquished By:	Date: 7.25.25	Received By:	
	Time: 1125		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 45	Sample Condition Cool: ☑ Yes Intact: ☑ Yes	CHECKED BY: (Initials)	Turnaround Time:	Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.8	☐ No ☐ No		Thermometer ID #140 Correction Factor +0.3°C	Bacteria (only) Sample Condition Cool: ☐ Yes Intact: ☐ Yes ☐ No ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 01, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/28/25 12:20.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/28/2025	Sampling Date:	07/25/2025
Reported:	08/01/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 174 0.5' (H254563-01)

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	07/30/2025	ND	1.94	97.1	2.00	3.77	
Toluene*	<0.050	0.050	07/30/2025	ND	2.02	101	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/30/2025	ND	2.08	104	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/30/2025	ND	6.55	109	6.00	3.35	
Total BTEX	<0.300	0.300	07/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	07/30/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/29/2025	ND	215	107	200	5.65	
DRO >C10-C28*	<10.0	10.0	07/29/2025	ND	199	99.4	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	07/29/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *107 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/28/2025	Sampling Date:	07/25/2025
Reported:	08/01/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 180 0.5' (H254563-02)

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	07/30/2025	ND	1.94	97.1	2.00	3.77	
Toluene*	<0.050	0.050	07/30/2025	ND	2.02	101	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/30/2025	ND	2.08	104	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/30/2025	ND	6.55	109	6.00	3.35	
Total BTEX	<0.300	0.300	07/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/30/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/29/2025	ND	215	107	200	5.65	
DRO >C10-C28*	<10.0	10.0	07/29/2025	ND	199	99.4	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	07/29/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/28/2025	Sampling Date:	07/25/2025
Reported:	08/01/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 183 0.5' (H254563-03)

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	07/30/2025	ND	1.94	97.1	2.00	3.77	
Toluene*	<0.050	0.050	07/30/2025	ND	2.02	101	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/30/2025	ND	2.08	104	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/30/2025	ND	6.55	109	6.00	3.35	
Total BTEX	<0.300	0.300	07/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/30/2025	ND	464	116	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/29/2025	ND	215	107	200	5.65	
DRO >C10-C28*	<10.0	10.0	07/29/2025	ND	199	99.4	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	07/29/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1612 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Jeremy Reich	**P.O. #:**	
Address:	601 N Marienfeld Street, Suite 400	**Company:**	Mewbourne Oil Co
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Connor Walker
Phone #:	432-296-0627 **Fax #:**	**Address:**	4801 Business Park Blvd
Project #:	03C2284006 **Project Owner:** Mewbourne	**City:**	Hobbs
Project Name:	MOC Old Indian	**State:** NM **Zip:**	88240
Project Location:	Eddy County, NM	**Phone #:**	575-393-5905
Sampler Name:	Evan Roe	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254513																		
1	CS 174	0.5	C	1			✓					✓		7/25/2025	1005	✓	✓	✓
2	CS 180	0.5	C	1			✓					✓		7/25/2025	1030	✓	✓	✓
3	CS 183	0.5	C	1			✓					✓		7/25/2025	1310	✓	✓	✓

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 consequental 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.

Relinquished By: Evan Roe	**Date:** 7.28.25 **Time:** 1220	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** 2.1 **Corrected Temp. °C** 2.4	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** AP	**Turnaround Time:** Standard ☐ Rush ☐ Thermometer ID #140 Correction Factor +0.3°C	**Bacteria (only) Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 04, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/29/25 14:15.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/29/2025	Sampling Date:	07/28/2025
Reported:	08/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 193 0.5' (H254595-01)

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	07/31/2025	ND	1.85	92.5	2.00	2.76	
Toluene*	<0.050	0.050	07/31/2025	ND	1.88	93.8	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.89	94.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.71	95.1	6.00	1.89	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/30/2025	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	07/30/2025	ND	198	99.2	200	1.70	
DRO >C10-C28*	<10.0	10.0	07/30/2025	ND	190	94.9	200	0.547	
EXT DRO >C28-C36	<10.0	10.0	07/30/2025	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/29/2025	Sampling Date:	07/28/2025
Reported:	08/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 642 1' (H254595-02)

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	07/31/2025	ND	1.85	92.5	2.00	2.76	
Toluene*	<0.050	0.050	07/31/2025	ND	1.88	93.8	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.89	94.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.71	95.1	6.00	1.89	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/30/2025	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	07/30/2025	ND	198	99.2	200	1.70	
DRO >C10-C28*	<10.0	10.0	07/30/2025	ND	190	94.9	200	0.547	
EXT DRO >C28-C36	<10.0	10.0	07/30/2025	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/29/2025	Sampling Date:	07/28/2025
Reported:	08/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 643 1' (H254595-03)

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	07/31/2025	ND	1.85	92.5	2.00	2.76	
Toluene*	<0.050	0.050	07/31/2025	ND	1.88	93.8	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.89	94.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.71	95.1	6.00	1.89	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/31/2025	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	07/30/2025	ND	198	99.2	200	1.70	
DRO >C10-C28*	<10.0	10.0	07/30/2025	ND	190	94.9	200	0.547	
EXT DRO >C28-C36	<10.0	10.0	07/30/2025	ND					

Surrogate: 1-Chlorooctane *78.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/29/2025	Sampling Date:	07/28/2025
Reported:	08/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 645 1' (H254595-04)

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	07/31/2025	ND	1.85	92.5	2.00	2.76	
Toluene*	<0.050	0.050	07/31/2025	ND	1.88	93.8	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.89	94.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.71	95.1	6.00	1.89	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	07/31/2025	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	07/30/2025	ND	198	99.2	200	1.70	
DRO >C10-C28*	<10.0	10.0	07/30/2025	ND	190	94.9	200	0.547	
EXT DRO >C28-C36	<10.0	10.0	07/30/2025	ND					

Surrogate: 1-Chlorooctane *71.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/29/2025	Sampling Date:	07/28/2025
Reported:	08/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 647 1' (H254595-05)

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	07/31/2025	ND	1.85	92.5	2.00	2.76	
Toluene*	<0.050	0.050	07/31/2025	ND	1.88	93.8	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.89	94.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.71	95.1	6.00	1.89	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/31/2025	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	07/30/2025	ND	198	99.2	200	1.70	
DRO >C10-C28*	<10.0	10.0	07/30/2025	ND	190	94.9	200	0.547	
EXT DRO >C28-C36	<10.0	10.0	07/30/2025	ND					

Surrogate: 1-Chlorooctane *80.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/29/2025	Sampling Date:	07/28/2025
Reported:	08/04/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 651 1' (H254595-06)

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	07/31/2025	ND	1.85	92.5	2.00	2.76	
Toluene*	<0.050	0.050	07/31/2025	ND	1.88	93.8	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.89	94.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.71	95.1	6.00	1.89	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	07/31/2025	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	07/30/2025	ND	198	99.2	200	1.70	
DRO >C10-C28*	<10.0	10.0	07/30/2025	ND	190	94.9	200	0.547	
EXT DRO >C28-C36	<10.0	10.0	07/30/2025	ND					

Surrogate: 1-Chlorooctane *81.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1621 of 1704

Page 9 of 9

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	Evan Roe

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	DEPTH (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254595																		
1	CS 193	0.5	C	1			✓					✓		7/28/2025	1320	✓	✓	✓
2	FS 642	1	C	1			✓					✓		7/28/2025	1400	✓	✓	✓
3	FS 643	1	C	1			✓					✓		7/28/2025	1405	✓	✓	✓
4	FS 645	1	C	1			✓					✓		7/28/2025	1415	✓	✓	✓
5	FS 647	1	C	1			✓					✓		7/28/2025	1420	✓	✓	✓
6	FS 651	1	C	1			✓					✓		7/28/2025	1425	✓	✓	✓

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.

Relinquished By: Evan R Date: 7-29-25 Time: 1415 Received By: Tamara Oldaker

Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No
Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

Sample Condition
Cool: ☑ Yes ☐ No
Intact: ☑ Yes ☐ No
Observed Temp. °C 4.2
Corrected Temp. °C 4.5

CHECKED BY: (Initials) TO

le One)
- Other:

02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 06, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/31/25 13:40.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 59 0-3.5 (H254653-01)

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	08/01/2025	ND	1.73	86.3	2.00	0.756	
Toluene*	<0.050	0.050	08/01/2025	ND	1.79	89.6	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.83	91.6	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.97	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 60 0-3.5 (H254653-02)

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	08/01/2025	ND	1.73	86.3	2.00	0.756	
Toluene*	<0.050	0.050	08/01/2025	ND	1.79	89.6	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.83	91.6	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.97	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *79.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 61 0-3.5 (H254653-03)

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	08/01/2025	ND	1.73	86.3	2.00	0.756	
Toluene*	<0.050	0.050	08/01/2025	ND	1.79	89.6	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.83	91.6	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.97	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *80.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 62 0-3.5 (H254653-04)

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	08/01/2025	ND	1.73	86.3	2.00	0.756	
Toluene*	<0.050	0.050	08/01/2025	ND	1.79	89.6	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.83	91.6	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.97	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *80.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 63 0-3.5 (H254653-05)

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	08/01/2025	ND	1.73	86.3	2.00	0.756	
Toluene*	<0.050	0.050	08/01/2025	ND	1.79	89.6	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.83	91.6	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.97	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 652 1 (H254653-06)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *82.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 654 1 (H254653-07)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *71.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 644 2 (H254653-08)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *77.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 653 2 (H254653-09)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *81.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/29/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 655 2 (H254653-10)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *83.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1634 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.			(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254653-1	SW	59	0-3.5	C	1			✓					✓		7/29/2025	930	✓	✓	✓
-2	SW	60	0-3.5	C	1			✓					✓		7/29/2025	933	✓	✓	✓
-3	SW	61	0-3.5	C	1			✓					✓		7/29/2025	936	✓	✓	✓
-4	SW	62	0-3.5	C	1			✓					✓		7/29/2025	939	✓	✓	✓
-5	SW	63	0-3.5	C	1			✓					✓		7/29/2025	942	✓	✓	✓
-6	FS	652	1	C	1			✓					✓		7/29/2025	1000	✓	✓	✓
-7	FS	654	1	C	1			✓					✓		7/29/2025	1006	✓	✓	✓
-8	FS	644	2	C	1			✓					✓		7/29/2025	1300	✓	✓	✓
-9	FS	653	2	C	1			✓					✓		7/29/2025	1400	✓	✓	✓
-10	FS	655	2	C	1			✓					✓		7/29/2025	1405	✓	✓	✓

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.

Relinquished By:	Date: 7-31-25	Received By:	
	Time: 1340		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 1.6	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☐ Standard ☑ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.9				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 06, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 07/31/25 13:40.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 646 1 (H254654-01)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	08/01/2025	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	08/01/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *81.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 648 2 (H254654-02)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	08/01/2025	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	08/02/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/02/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/02/2025	ND					

Surrogate: 1-Chlorooctane *73.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 649 2 (H254654-03)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

Chloride, SM4500Cl-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	08/01/2025	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	08/02/2025	ND	197	98.6	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/02/2025	ND	190	94.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/02/2025	ND					

Surrogate: 1-Chlorooctane *81.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 650 1 (H254654-04)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	08/01/2025	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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *83.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 659 3 (H254654-05)

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	08/06/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/06/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *83.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 660 3 (H254654-06)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	08/01/2025	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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *83.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 661 3 (H254654-07)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	08/01/2025	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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *66.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *68.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 662 3 (H254654-08)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/01/2025	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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *84.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 663 1 (H254654-09)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *76.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 664 3 (H254654-10)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.6 %* *71.5-134*

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	08/01/2025	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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *85.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 666 3 (H254654-11)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	08/04/2025	ND	464	116	400	10.9	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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *87.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 667 3 (H254654-12)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	08/04/2025	ND	464	116	400	10.9	

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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 64 0-2 (H254654-13)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	08/04/2025	ND	464	116	400	10.9	

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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *84.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 65 0-2 (H254654-14)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	08/04/2025	ND	464	116	400	10.9	

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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	07/31/2025	Sampling Date:	07/30/2025
Reported:	08/06/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 66 0-1 (H254654-15)

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	08/01/2025	ND	1.81	90.5	2.00	5.54	
Toluene*	<0.050	0.050	08/01/2025	ND	1.88	94.1	2.00	4.66	
Ethylbenzene*	<0.050	0.050	08/01/2025	ND	1.88	93.9	2.00	4.09	
Total Xylenes*	<0.150	0.150	08/01/2025	ND	5.54	92.3	6.00	3.84	
Total BTEX	<0.300	0.300	08/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/04/2025	ND	464	116	400	10.9	

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	08/01/2025	ND	187	93.7	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/01/2025	ND	172	86.2	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	08/01/2025	ND					

Surrogate: 1-Chlorooctane *87.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1652 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254694																		
1	FS 646	1	C	1			✓					✓		7/30/2025	1130	✓	✓	✓
2	FS 648	2	C	1			✓					✓		7/30/2025	1120	✓	✓	✓
3	FS 649	2	C	1			✓					✓		7/30/2025	1125	✓	✓	✓
4	FS 650	1	C	1			✓					✓		7/30/2025	1055	✓	✓	✓
5	FS 659	3	C	1			✓					✓		7/30/2025	1400	✓	✓	✓
6	FS 660	3	C	1			✓					✓		7/30/2025	1405	✓	✓	✓
7	FS 661	3	C	1			✓					✓		7/30/2025	1410	✓	✓	✓
8	FS 662	3	C	1			✓					✓		7/30/2025	1415	✓	✓	✓
9	FS 663	1	C	1			✓					✓		7/30/2025	805	✓	✓	✓
10	FS 664	3	C	1			✓					✓		7/30/2025	1420	✓	✓	✓

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.

Relinquished By:	Date: 7-31-25	Received By:	
	Time: 1340		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 1.6	Sample Condition Cool: Yes / Intact: Yes	CHECKED BY: (Initials)	Turnaround Time:	Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.9	No / No		Thermometer ID #140 Correction Factor +0.3°C	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1653 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254654																			
11	FS	666	3	C	1			✓					✓		7/30/2025	1430	✓	✓	✓
12	FS	667	3	C	1			✓					✓		7/30/2025	1435	✓	✓	✓
13	SW	64	0-2	C	1			✓					✓		7/30/2025	1135	✓	✓	✓
14	SW	65	0-2	C	1			✓					✓		7/30/2025	1140	✓	✓	✓
15	SW	66	0-1	C	1			✓					✓		7/30/2025	1145	✓	✓	✓

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.

Relinquished By:	Date: 7-31-25	Received By:	
	Time: 1340		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 1.6	Sample Condition Cool ☑ Yes ☐ No	Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.9				Thermometer ID #140 Correction Factor +0.3°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 07, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 08/01/25 14:39.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	08/01/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 668 1' (H254708-01)

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	08/04/2025	ND	1.65	82.7	2.00	13.1	
Toluene*	<0.050	0.050	08/04/2025	ND	1.77	88.4	2.00	11.1	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.82	90.9	2.00	10.1	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.54	92.3	6.00	9.26	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/05/2025	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	08/05/2025	ND	215	108	200	0.439	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	209	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane *89.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1657 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM	Zip: 88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth ft	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25478 1	FS 668	1	C	1			✓					✓		8/1/2025	1015	✓	✓	✓

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.

Relinquished By:	Date: 8.1.25	Received By:	
	Time: 1439		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com; jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:
NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 28	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) AD
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.1			

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor +0.3°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 07, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MOC OLD INDIAN

Enclosed are the results of analyses for samples received by the laboratory on 08/01/25 14:39.

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.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 46 0-4' (H254709-01)

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	08/05/2025	ND	1.65	82.7	2.00	13.1	
Toluene*	<0.050	0.050	08/05/2025	ND	1.77	88.4	2.00	11.1	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.82	90.9	2.00	10.1	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.54	92.3	6.00	9.26	
Total BTEX	<0.300	0.300	08/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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	08/05/2025	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	08/05/2025	ND	215	108	200	0.439	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	209	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane *83.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 67 0-2' (H254709-02)

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	08/05/2025	ND	1.65	82.7	2.00	13.1	
Toluene*	<0.050	0.050	08/05/2025	ND	1.77	88.4	2.00	11.1	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.82	90.9	2.00	10.1	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.54	92.3	6.00	9.26	
Total BTEX	<0.300	0.300	08/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	08/05/2025	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	08/05/2025	ND	215	108	200	0.439	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	209	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane *94.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 68 0-3' (H254709-03)

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	08/05/2025	ND	1.65	82.7	2.00	13.1	
Toluene*	<0.050	0.050	08/05/2025	ND	1.77	88.4	2.00	11.1	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.82	90.9	2.00	10.1	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.54	92.3	6.00	9.26	
Total BTEX	<0.300	0.300	08/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	QR-03
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *82.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 69 0-3' (H254709-04)

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	08/04/2025	ND	1.68	84.2	2.00	10.2	
Toluene*	<0.050	0.050	08/04/2025	ND	1.75	87.5	2.00	9.09	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.76	87.8	2.00	7.98	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.18	86.4	6.00	8.29	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *84.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 70 0-3' (H254709-05)

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	08/04/2025	ND	1.68	84.2	2.00	10.2	
Toluene*	<0.050	0.050	08/04/2025	ND	1.75	87.5	2.00	9.09	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.76	87.8	2.00	7.98	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.18	86.4	6.00	8.29	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *80.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: SW 71 0-2' (H254709-06)

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	08/04/2025	ND	1.68	84.2	2.00	10.2	
Toluene*	<0.050	0.050	08/04/2025	ND	1.75	87.5	2.00	9.09	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.76	87.8	2.00	7.98	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.18	86.4	6.00	8.29	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *82.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 656 1' (H254709-07)

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	08/04/2025	ND	1.68	84.2	2.00	10.2	
Toluene*	<0.050	0.050	08/04/2025	ND	1.75	87.5	2.00	9.09	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.76	87.8	2.00	7.98	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.18	86.4	6.00	8.29	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *97.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 657 1' (H254709-08)

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	08/04/2025	ND	1.68	84.2	2.00	10.2	
Toluene*	<0.050	0.050	08/04/2025	ND	1.75	87.5	2.00	9.09	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.76	87.8	2.00	7.98	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.18	86.4	6.00	8.29	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *87.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 658 1' (H254709-09)

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	08/04/2025	ND	1.68	84.2	2.00	10.2	
Toluene*	<0.050	0.050	08/04/2025	ND	1.75	87.5	2.00	9.09	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.76	87.8	2.00	7.98	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.18	86.4	6.00	8.29	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *90.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: FS 665 3' (H254709-10)

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	08/04/2025	ND	1.68	84.2	2.00	10.2	
Toluene*	<0.050	0.050	08/04/2025	ND	1.75	87.5	2.00	9.09	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.76	87.8	2.00	7.98	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.18	86.4	6.00	8.29	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *89.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	08/01/2025	Sampling Date:	07/31/2025
Reported:	08/07/2025	Sampling Type:	Soil
Project Name:	MOC OLD INDIAN	Sampling Condition:	Cool & Intact
Project Number:	03C2284006	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.3978530, -104.1417240		

Sample ID: CS 82 0.5' (H254709-11)

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	08/04/2025	ND	1.68	84.2	2.00	10.2	
Toluene*	<0.050	0.050	08/04/2025	ND	1.75	87.5	2.00	9.09	
Ethylbenzene*	<0.050	0.050	08/04/2025	ND	1.76	87.8	2.00	7.98	
Total Xylenes*	<0.150	0.150	08/04/2025	ND	5.18	86.4	6.00	8.29	
Total BTEX	<0.300	0.300	08/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	08/05/2025	ND	464	116	400	3.39	

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	08/04/2025	ND	206	103	200	0.0880	
DRO >C10-C28*	<10.0	10.0	08/04/2025	ND	206	103	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	08/04/2025	ND					

Surrogate: 1-Chlorooctane *91.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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 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 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

Page 1671 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth ft	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H254709																		
1	SW 46	0-4	C	1			✓					✓		7/31/2025	1320	✓	✓	✓
2	SW 67	0-2	C	1			✓					✓		7/31/2025	905	✓	✓	✓
3	SW 68	0-3	C	1			✓					✓		7/31/2025	910	✓	✓	✓
4	SW 69	0-3	C	1			✓					✓		7/31/2025	915	✓	✓	✓
5	SW 70	0-3	C	1			✓					✓		7/31/2025	920	✓	✓	✓
6	SW 71	0-2	C	1			✓					✓		7/31/2025	940	✓	✓	✓
7	FS 656	1	C	1			✓					✓		7/31/2025	925	✓	✓	✓
8	FS 657	1	C	1			✓					✓		7/31/2025	930	✓	✓	✓
9	FS 658	1	C	1			✓					✓		7/31/2025	935	✓	✓	✓
10	FS 665	3	C	1			✓					✓		7/31/2025	900	✓	✓	✓

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.

Relinquished By:	Date: 8.1.25	Received By:	
Relinquished By:	Time: 1439	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 2.8	Sample Condition Cool ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time:	Bacteria (only) Sample Condition Cool ☐ Yes ☐ No
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.1	Intact ☑ Yes ☐ No	AD	Standard ☑ Rush ☐	Intact ☐ Yes ☐ No
FORM-006 R 3.6 02/12/25				Thermometer ID #140 Correction Factor +0.3°C	Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Page 1672 of 1704

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name:	Ensolum, LLC
Project Manager:	Jeremy Reich
Address:	601 N Marienfeld Street, Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-296-0627 Fax #:
Project #:	03C2284006 Project Owner: Mewbourne
Project Name:	MOC Old Indian
Project Location:	Eddy County, NM
Sampler Name:	

BILL TO

P.O. #:	
Company:	Mewbourne Oil Co
Attn:	Connor Walker
Address:	4801 Business Park Blvd
City:	Hobbs
State: NM Zip:	88240
Phone #:	575-393-5905
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth ft	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
H25417 09 11	CS 82	0.5	C	1			✓					✓		7/31/2025	1315	✓	✓	✓

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.

Relinquished By:	Date: 8.1.25	Received By:	
	Time: 1439		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

REMARKS:

NAPP2505952408

Delivered By: (Circle One)	Observed Temp. °C 28	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.1			Thermometer ID #140 Correction Factor +0.3°C	Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Reich
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 7/22/2025 2:23:25 PM

JOB DESCRIPTION

MOC Old Indian
03C2284006

JOB NUMBER

890-8492-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 12/2/2025 12:59:44 PM

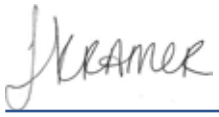
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
7/22/2025 2:23:25 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Ensolum
Project/Site: MOC Old Indian

Laboratory Job ID: 890-8492-1
SDG: 03C2284006

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 15
Lab Chronicle 17
Certification Summary 19
Method Summary 20
Sample Summary 21
Chain of Custody 22
Receipt Checklists 23

Definitions/Glossary

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: MOC Old Indian

Job ID: 890-8492-1

Job ID: 890-8492-1 Eurofins Carlsbad

Job Narrative
890-8492-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/21/2025 4:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BF 01 (890-8492-1), BF 02 (890-8492-2), BF 03 (890-8492-3) and BF 04 (890-8492-4).

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Client Sample ID: BF 01

Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27
Sample Depth: 0.5

Lab Sample ID: 890-8492-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:12	07/22/25 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:12	07/22/25 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/22/25 08:12*	*07/22/25 11:44*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*07/22/25 08:12*	*07/22/25 11:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 11:44	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 10:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 10:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 10:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*07/22/25 08:14*	*07/22/25 10:20*	*1*
o-Terphenyl	*117*		*70 - 130*	*07/22/25 08:14*	*07/22/25 10:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**111**		9.96		mg/Kg			07/22/25 10:36	1

Client Sample ID: BF 02

Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27
Sample Depth: 0.5

Lab Sample ID: 890-8492-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 12:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 12:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 12:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 12:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 12:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/22/25 08:12*	*07/22/25 12:04*	*1*

Client Sample Results

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Client Sample ID: BF 02

Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27
Sample Depth: 0.5

Lab Sample ID: 890-8492-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/22/25 08:12*	*07/22/25 12:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/22/25 12:04	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/22/25 11:07	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/22/25 08:14	07/22/25 11:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/22/25 08:14	07/22/25 11:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/22/25 08:14	07/22/25 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*07/22/25 08:14*	*07/22/25 11:07*	*1*
o-Terphenyl	*112*		*70 - 130*	*07/22/25 08:14*	*07/22/25 11:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.4**		9.98	mg/Kg			07/22/25 10:42	1

Client Sample ID: BF 03

Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27
Sample Depth: 0.5

Lab Sample ID: 890-8492-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/22/25 08:12	07/22/25 12:25	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/22/25 08:12	07/22/25 12:25	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/22/25 08:12	07/22/25 12:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/22/25 08:12	07/22/25 12:25	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/22/25 08:12	07/22/25 12:25	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/22/25 08:12	07/22/25 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/22/25 08:12*	*07/22/25 12:25*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/22/25 08:12*	*07/22/25 12:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/22/25 12:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/22/25 11:22	1

Client Sample Results

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Client Sample ID: BF 03
Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27
Sample Depth: 0.5

Lab Sample ID: 890-8492-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 11:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 11:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*07/22/25 08:14*	*07/22/25 11:22*	*1*
o-Terphenyl	*114*		*70 - 130*	*07/22/25 08:14*	*07/22/25 11:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.3**		10.1		mg/Kg			07/22/25 10:59	1

Client Sample ID: BF 04
Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27
Sample Depth: 0.5

Lab Sample ID: 890-8492-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 12:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 12:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 12:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 12:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 12:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/22/25 08:12*	*07/22/25 12:45*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/22/25 08:12*	*07/22/25 12:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 12:45	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 11:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 11:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 11:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*07/22/25 08:14*	*07/22/25 11:38*	*1*
o-Terphenyl	*112*		*70 - 130*	*07/22/25 08:14*	*07/22/25 11:38*	*1*

Client Sample Results

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Client Sample ID: BF 04
Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27
Sample Depth: 0.5

Lab Sample ID: 890-8492-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.8		10.1		mg/Kg			07/22/25 11:04	1

Surrogate Summary

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8492-1	BF 01	115	102
890-8492-1 MS	BF 01	106	104
890-8492-1 MSD	BF 01	104	103
890-8492-2	BF 02	98	99
890-8492-3	BF 03	107	98
890-8492-4	BF 04	101	99
LCS 880-114639/1-A	Lab Control Sample	100	104
LCSD 880-114639/2-A	Lab Control Sample Dup	102	105
MB 880-114639/5-A	Method Blank	96	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8492-1	BF 01	111	117
890-8492-1 MS	BF 01	111	108
890-8492-1 MSD	BF 01	109	106
890-8492-2	BF 02	108	112
890-8492-3	BF 03	110	114
890-8492-4	BF 04	107	112
LCS 880-114632/2-A	Lab Control Sample	120	116
LCSD 880-114632/3-A	Lab Control Sample Dup	124	119
MB 880-114632/1-A	Method Blank	107	122

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114639/5-A
Matrix: Solid
Analysis Batch: 114646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114639

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:12	07/22/25 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/22/25 08:12*	*07/22/25 11:22*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/22/25 08:12*	*07/22/25 11:22*	*1*

Lab Sample ID: LCS 880-114639/1-A
Matrix: Solid
Analysis Batch: 114646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114639

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1027		mg/Kg		103	70 - 130		
Toluene			0.100	0.08831		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.09374		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1822		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09211		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-114639/2-A
Matrix: Solid
Analysis Batch: 114646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114639

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1071		mg/Kg		107	70 - 130	4	35
Toluene			0.100	0.09198		mg/Kg		92	70 - 130	4	35
Ethylbenzene			0.100	0.09747		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1895		mg/Kg		95	70 - 130	4	35
o-Xylene			0.100	0.09564		mg/Kg		96	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-8492-1 MS
Matrix: Solid
Analysis Batch: 114646

Client Sample ID: BF 01
Prep Type: Total/NA
Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130		
Toluene	<0.00200	U	0.100	0.08880		mg/Kg		89	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-8492-1 MS
Matrix: Solid
Analysis Batch: 114646

Client Sample ID: BF 01
Prep Type: Total/NA
Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09438		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1836		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.09282		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-8492-1 MSD
Matrix: Solid
Analysis Batch: 114646

Client Sample ID: BF 01
Prep Type: Total/NA
Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1008		mg/Kg		101	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08690		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09249		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1796		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09066		mg/Kg		91	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-114632/1-A
Matrix: Solid
Analysis Batch: 114678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114632

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*07/22/25 08:10*	*07/22/25 03:17*	*1*
o-Terphenyl	*122*		*70 - 130*	*07/22/25 08:10*	*07/22/25 03:17*	*1*

Lab Sample ID: LCS 880-114632/2-A
Matrix: Solid
Analysis Batch: 114678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114632

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1006		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)			1000	878.2		mg/Kg		88	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-114632/2-A
Matrix: Solid
Analysis Batch: 114678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114632

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-114632/3-A
Matrix: Solid
Analysis Batch: 114678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114632

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1022		mg/Kg		102	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	926.6		mg/Kg		93	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 890-8492-1 MS
Matrix: Solid
Analysis Batch: 114678

Client Sample ID: BF 01
Prep Type: Total/NA
Prep Batch: 114632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	816.1		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	756.4		mg/Kg		73	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-8492-1 MSD
Matrix: Solid
Analysis Batch: 114678

Client Sample ID: BF 01
Prep Type: Total/NA
Prep Batch: 114632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	803.2		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	736.1		mg/Kg		71	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	106		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114628/1-A
Matrix: Solid
Analysis Batch: 114631

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/22/25 09:06	1

Lab Sample ID: LCS 880-114628/2-A
Matrix: Solid
Analysis Batch: 114631

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.7		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-114628/3-A
Matrix: Solid
Analysis Batch: 114631

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.0		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-8492-2 MS
Matrix: Solid
Analysis Batch: 114631

Client Sample ID: BF 02
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	83.4		250	345.1		mg/Kg		105	90 - 110		

Lab Sample ID: 890-8492-2 MSD
Matrix: Solid
Analysis Batch: 114631

Client Sample ID: BF 02
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	83.4		250	346.3		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

GC VOA

Prep Batch: 114639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-1	BF 01	Total/NA	Solid	5035	
890-8492-2	BF 02	Total/NA	Solid	5035	
890-8492-3	BF 03	Total/NA	Solid	5035	
890-8492-4	BF 04	Total/NA	Solid	5035	
MB 880-114639/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114639/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114639/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8492-1 MS	BF 01	Total/NA	Solid	5035	
890-8492-1 MSD	BF 01	Total/NA	Solid	5035	

Analysis Batch: 114646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-1	BF 01	Total/NA	Solid	8021B	114639
890-8492-2	BF 02	Total/NA	Solid	8021B	114639
890-8492-3	BF 03	Total/NA	Solid	8021B	114639
890-8492-4	BF 04	Total/NA	Solid	8021B	114639
MB 880-114639/5-A	Method Blank	Total/NA	Solid	8021B	114639
LCS 880-114639/1-A	Lab Control Sample	Total/NA	Solid	8021B	114639
LCSD 880-114639/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114639
890-8492-1 MS	BF 01	Total/NA	Solid	8021B	114639
890-8492-1 MSD	BF 01	Total/NA	Solid	8021B	114639

Analysis Batch: 114744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-1	BF 01	Total/NA	Solid	Total BTEX	
890-8492-2	BF 02	Total/NA	Solid	Total BTEX	
890-8492-3	BF 03	Total/NA	Solid	Total BTEX	
890-8492-4	BF 04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-1	BF 01	Total/NA	Solid	8015NM Prep	
890-8492-2	BF 02	Total/NA	Solid	8015NM Prep	
890-8492-3	BF 03	Total/NA	Solid	8015NM Prep	
890-8492-4	BF 04	Total/NA	Solid	8015NM Prep	
MB 880-114632/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114632/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114632/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8492-1 MS	BF 01	Total/NA	Solid	8015NM Prep	
890-8492-1 MSD	BF 01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-1	BF 01	Total/NA	Solid	8015B NM	114632
890-8492-2	BF 02	Total/NA	Solid	8015B NM	114632
890-8492-3	BF 03	Total/NA	Solid	8015B NM	114632
890-8492-4	BF 04	Total/NA	Solid	8015B NM	114632
MB 880-114632/1-A	Method Blank	Total/NA	Solid	8015B NM	114632
LCS 880-114632/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114632

QC Association Summary

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

GC Semi VOA (Continued)

Analysis Batch: 114678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-114632/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114632
890-8492-1 MS	BF 01	Total/NA	Solid	8015B NM	114632
890-8492-1 MSD	BF 01	Total/NA	Solid	8015B NM	114632

Analysis Batch: 114742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-1	BF 01	Total/NA	Solid	8015 NM	
890-8492-2	BF 02	Total/NA	Solid	8015 NM	
890-8492-3	BF 03	Total/NA	Solid	8015 NM	
890-8492-4	BF 04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-1	BF 01	Soluble	Solid	DI Leach	
890-8492-2	BF 02	Soluble	Solid	DI Leach	
890-8492-3	BF 03	Soluble	Solid	DI Leach	
890-8492-4	BF 04	Soluble	Solid	DI Leach	
MB 880-114628/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114628/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114628/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8492-2 MS	BF 02	Soluble	Solid	DI Leach	
890-8492-2 MSD	BF 02	Soluble	Solid	DI Leach	

Analysis Batch: 114631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-1	BF 01	Soluble	Solid	300.0	114628
890-8492-2	BF 02	Soluble	Solid	300.0	114628
890-8492-3	BF 03	Soluble	Solid	300.0	114628
890-8492-4	BF 04	Soluble	Solid	300.0	114628
MB 880-114628/1-A	Method Blank	Soluble	Solid	300.0	114628
LCS 880-114628/2-A	Lab Control Sample	Soluble	Solid	300.0	114628
LCSD 880-114628/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114628
890-8492-2 MS	BF 02	Soluble	Solid	300.0	114628
890-8492-2 MSD	BF 02	Soluble	Solid	300.0	114628

Lab Chronicle

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Client Sample ID: BF 01
Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27

Lab Sample ID: 890-8492-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114744	07/22/25 11:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			114742	07/22/25 10:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 10:20	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114628	07/21/25 17:25	SMC	EET MID
Soluble	Analysis	300.0		1			114631	07/22/25 10:36	SMC	EET MID

Client Sample ID: BF 02
Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27

Lab Sample ID: 890-8492-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114744	07/22/25 12:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			114742	07/22/25 11:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 11:07	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114628	07/21/25 17:25	SMC	EET MID
Soluble	Analysis	300.0		1			114631	07/22/25 10:42	SMC	EET MID

Client Sample ID: BF 03
Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27

Lab Sample ID: 890-8492-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114744	07/22/25 12:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			114742	07/22/25 11:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 11:22	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114628	07/21/25 17:25	SMC	EET MID
Soluble	Analysis	300.0		1			114631	07/22/25 10:59	SMC	EET MID

Client Sample ID: BF 04
Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27

Lab Sample ID: 890-8492-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114744	07/22/25 12:45	SA	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Client Sample ID: BF 04
Date Collected: 07/18/25 11:30
Date Received: 07/21/25 16:27

Lab Sample ID: 890-8492-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114742	07/22/25 11:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 11:38	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114628	07/21/25 17:25	SMC	EET MID
Soluble	Analysis	300.0		1			114631	07/22/25 11:04	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum
Project/Site: MOC Old Indian

Job ID: 890-8492-1
SDG: 03C2284006

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8492-1	BF 01	Solid	07/18/25 11:30	07/21/25 16:27	0.5
890-8492-2	BF 02	Solid	07/18/25 11:30	07/21/25 16:27	0.5
890-8492-3	BF 03	Solid	07/18/25 11:30	07/21/25 16:27	0.5
890-8492-4	BF 04	Solid	07/18/25 11:30	07/21/25 16:27	0.5

Page 1694 of 1704

7/22/2025

All Results are emailed. Please provide Email address: ireich@ensolum.com
tmorrissey@ensolum.com; kthomason@ensolu.com; cwalker@mewbourne.com;
jbroom@mewbourne.com; bmolander@newwavees.com; crosendo@mewbourne.com

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Jeremy Reich	Bill to: (if different)	Conner Walker
Company Name:	Ensolum	Company Name:	Mewbourne Oil Co
Address:	3122 National Parks Hwy	Address:	4801 Business Park Blvd
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Hobbs NM, 88240
Phone:	713-817-1947	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MOL Old Indian	Turn Around	
Project Number:	03C228400G	☒ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date: ~~7/24~~ 7/24	
Sampler's Name:	Evan Rox	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT					
Temp Blank:	Yes No	Wet Ice:	Yes No		
Samples Received Intact:	Yes No	Thermometer ID:	TNmoC		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.8		
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.8		
Total Containers:		Corrected Temperature:	4.6		

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 3000.0)	TPH (8015)	BTEX (8021)
BS01	Soil	7/18/25	1130	0.5	C	1	✓	✓	✓
BF02	Soil	7/18/25	1130	0.5	C	1	✓	✓	✓
BF03	Soil	7/18/25	1130	0.5	C	1	✓	✓	✓
BF04	Soil	7/18/25	1130	0.5	C	1	✓	✓	✓

890-8492 Chain of Custody

Sample Comments

Incident ID: NAPP2505952408
Cost Center:
GFCM:

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Evan Rox		7/21/16 27	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 22 of 24

Received by OCD: 9/25/2025 10:13:38 AM

Released to Imaging: 12/2/2025 12:59:44 PM

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8492-1
SDG Number: 03C2284006

Login Number: 8492
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8492-1
SDG Number: 03C2284006

Login Number: 8492
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 07/22/25 08:21 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 509348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505952408**
Incident Name	**NAPP2505952408 NEW WAVE OLD INDIAN DRAW FRAC LINE @ B-13-22S-27E**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NEW WAVE OLD INDIAN DRAW FRAC LINE
Date Release Discovered	02/17/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Pipeline (Any) | Produced Water | Released: 1,137 BBL | Recovered: 120 BBL | Lost: 1,017 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)	*Not answered.*

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 (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 509348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 09/25/2025

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 (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 509348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	12600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10
GRO+DRO (EPA SW-846 Method 8015M)	10
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
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	04/09/2025
On what date will (or did) the final sampling or liner inspection occur	05/05/2025
On what date will (or was) the remediation complete(d)	06/05/2025
What is the estimated surface area (in square feet) that will be reclaimed	173268
What is the estimated volume (in cubic yards) that will be reclaimed	15839
What is the estimated surface area (in square feet) that will be remediated	173268
What is the estimated volume (in cubic yards) that will be remediated	15839
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.	

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 (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 509348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 09/25/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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 (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 509348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 509348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**491330**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/08/2025**
What was the (estimated) number of samples that were to be gathered	**20**
What was the sampling surface area in square feet	**4000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	173268
What was the total volume (cubic yards) remediated	16696
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	173268
What was the total volume (in cubic yards) reclaimed	16696
Summarize any additional remediation activities not included by answers (above)	"Excavation activities were conducted at the Site as indicated in the Work Plan to address the February 17, 2025, release of produced water. A copy of the approved Work Plan is presented in Appendix A. Laboratory analytical results for all confirmation soil samples collected from the final excavation and release extent indicated COC concentrations were compliant with the Closure Criteria and reclamation requirements. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing Site conditions. Excavation of soil has mitigated impacts to soil that exceeded Closure Criteria and reclamation requirements at the Site. Mewbourne believes these remedial actions are protective of human health, the environment, and groundwater. As such, Mewbourne respectfully requests no further remediation for Incident Number NAPP2505952408."
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 09/25/2025

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 (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 509348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 509348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/2/2025