



January 30, 2025

**New Mexico Oil Conservation Division**

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

**Re: Remediation Work Plan  
Bradley 13 Federal #001  
Incident Number nAPP2218939473  
API: 30-015-29256  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared the following *Remediation Work Plan* to document assessment, delineation, and soil sampling activities completed to date and propose actions to address residual impacted soil identified at the Bradley 13 Federal #001 (Site), following a release of crude oil. The following *Remediation Work Plan* proposes to excavate impacted soil within the release extent.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit F, Section 13, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.13211°, -103.940292°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On July 6, 2022, a 4-inch load line valve failed, resulting in the release of approximately 187 barrels (bbls) of crude oil into the earthen containment and onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 96 bbls of crude oil were recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on July 8, 2022, and submitted a Release Notification Form C-141 (Form C-141) on July 21, 2022. The release was assigned Incident Number nAPP2218939473.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on data from a soil boring drilled to investigate regional groundwater depths. In August 2024, a soil boring permitted by New Mexico Office of the State Engineer (C-04851) was completed approximately 0.6 miles south of the Site utilizing air rotary drilling method. Soil boring C-04851 (BH01) was drilled to a depth of 110 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The temporary well was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without

Oxy USA Inc.  
Remediation Work Plan  
Bradley 13 Federal #001

observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Record & Log is included in Appendix A. All wells used for depth to water determination are depicted on Figure 1.

The closest continuously flowing or significant watercourse to the Site is a riverine, located approximately 3,223 feet west 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. The Site is within a 100-year floodplain. The Site is not overlying a subsurface mine. The Site is not underlain by unstable geology (low karst potential designation area).

Oxy acknowledges that there is no existing water well with depth to groundwater data within ½ mile of the Site, which NMOCD prefers for depth to water estimates. Based on the lack of sensitive receptors at the Site, the Site not being underlain by unstable geology, and nearby depth to groundwater data estimating regional depth to groundwater to be greater than 110 feet bgs, Oxy is requesting a variance for the preferred distance of the nearest depth to groundwater data guideline.

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

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

## DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between June 20, 2024 and January 15, 2025, Site activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Four boreholes (SS01 through SS04) were advanced via hand auger, hydrovac, and direct-push technology (DPT). The boreholes were advanced to maximum depths ranging from 20 feet to 25 feet bgs. Discrete soil samples were collected from each borehole at depths ranging from 0.25 feet bgs to 25 feet bgs. Additionally, four boreholes (LD-01 through LD-04) were advanced via DPT around the release extent to confirm the lateral extent of the release. The boreholes were advanced to a depth of 25 feet bgs. Discrete soil samples were collected from each borehole at depths ranging from the ground surface to 25 feet bgs.

Soil from the boreholes was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations were logged on lithologic soil sampling logs, which are included in Appendix B. The soil sample locations are depicted on Figure 2. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix C.

The 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 BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-

Oxy USA Inc.  
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Bradley 13 Federal #001

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

Laboratory analytical results for boreholes SS01 through SS04 indicated TPH and/or BTEX concentrations exceeded the Site Closure Criteria at depths ranging from the ground surface to 8 feet bgs. Laboratory analytical results for boreholes LD-01 through LD-04 indicated all COCs were compliant with the Closure Criteria and successfully defined the lateral extent of the release. Laboratory analytical results are presented in Table 1 and the complete laboratory reports and chain-of-custody documentation are presented in Appendix D.

## PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing elevated BTEX and/or TPH concentrations exists across an approximate 6,170 square foot area and extends to a maximum depth of 8 feet bgs. Oxy proposes completing the following remediation activities:

- Excavation of chloride impacted soil to depths ranging from 2 feet to 8 feet bgs. Excavation will proceed laterally until sidewall samples confirm COC concentrations are compliant with the most stringent Table 1 Closure Criteria or to the maximum extent practicable (MEP) due to active production equipment and utilities.
- An estimated 1,142 cubic yards of chloride impacted soil will be excavated to the MEP. The excavated soil will be transferred a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.

Oxy 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 *Remediation Work Plan* by the NMOCD.

If you have any questions or comments, please contact Mr. Beaux Jennings at (210) 219-8858 or [bjennings@ensolum.com](mailto:bjennings@ensolum.com).

Sincerely,  
**Ensolum, LLC**



Hadlie Green  
Project Geologist



Beaux Jennings  
Associate Principal

cc: Wade Dittrich, Oxy  
BLM

Oxy USA Inc.  
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Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Lithologic Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation



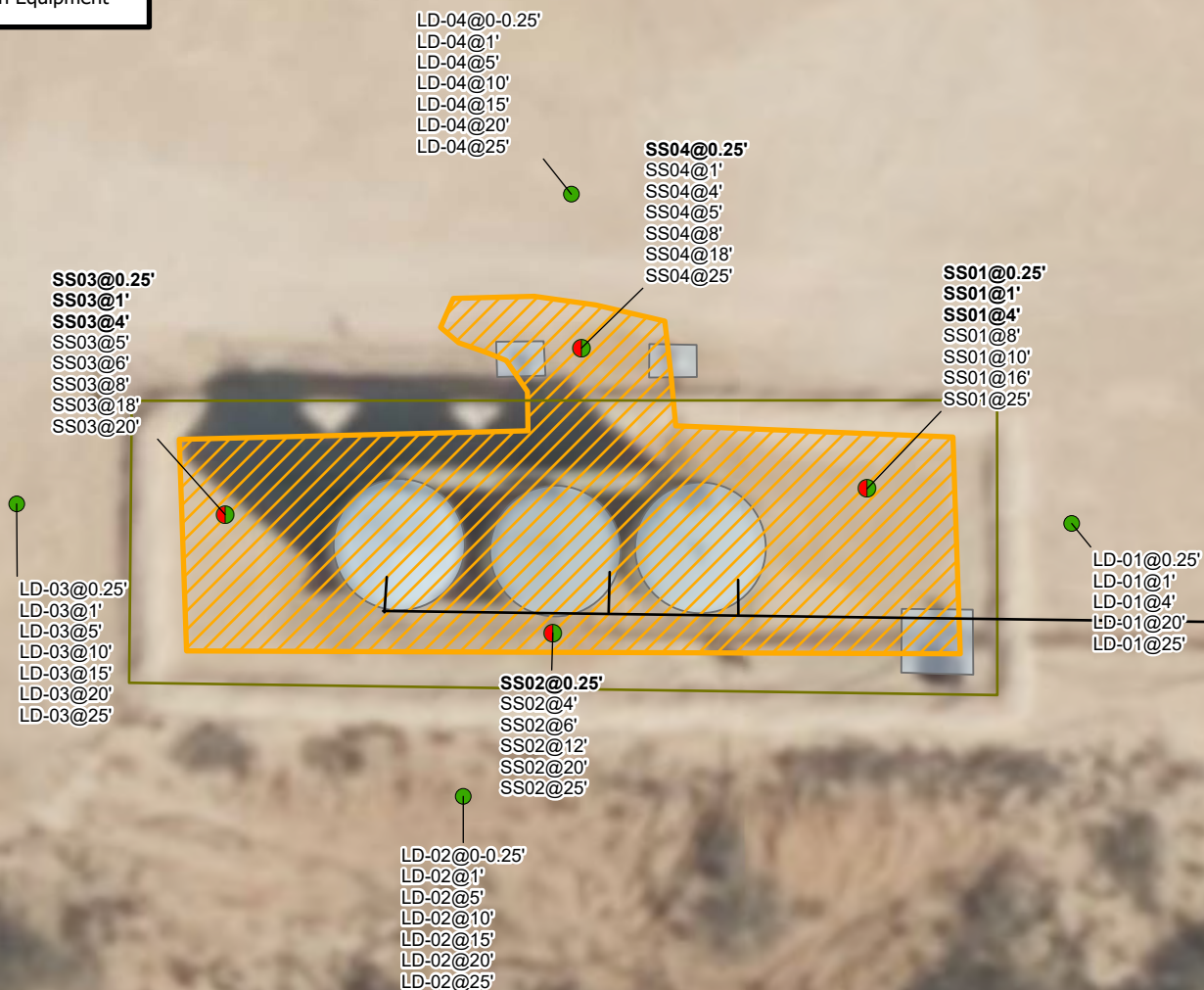
FIGURES





## Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Surface Line
- Earthen Berm
- ▨ Release Extent
- Production Equipment



Notes:  
Sample ID @ Depth Below Ground Surface.  
Samples in bold indicate sample exceeded applicable closure criteria.

0 5 10 20 30 40  
Feet

Sources: Environmental Systems Research Institute (ESRI)



## Delineation Soil Sample Locations

Oxy USA Inc.  
Bradley 13 Federal #001  
Incident Number: nAPP2218939473  
Unit F, Section 13, T 25S, R 29E  
Eddy County, New Mexico

FIGURE

2



TABLES





**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Bradley 13 Federal #001**  
 Oxy USA Inc.  
 Eddy County, New Mexico  
 Ensolum Project No. 03B1417195

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH GRO+DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
Vertical Delineation Soil Sample Analytical Results													
SS01	06/20/2024	0.25	<0.050	<0.050	0.196	1.52	1.71	222	25,500	8,070	25,722	33,570	400
	07/22/2024	1	2.02	15.2	18.9	58.3	94.4	2,970	6,110	1,190	9,080	10,270	272
	07/22/2024	4	<0.050	0.396	1.05	3.54	4.99	237	1,120	229	1,357	1,586	800
	07/22/2024	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,250
	01/14/2025	10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
	01/14/2025	16	0.167	0.391	0.954	2.31	3.82	27.6	66.5	<10.0	94.1	94.1	256
	01/14/2025	25	<0.050	<0.050	<0.050	0.167	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS02	06/20/2024	0.25	<0.050	<0.050	0.352	2.28	2.63	348	23,100	6,630	23,448	29,730	3,760
	01/15/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	247	44.0	247	291	64.0
	01/15/2025	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	69.0	<10.0	69.0	69.0	64.0
	01/15/2025	12	<0.050	<0.050	<0.050	<0.150	<0.300	12.1	829	161	841	1,002	560
	01/15/2025	20	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
	01/15/2025	25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS03	06/20/2024	0.25	<0.050	<0.050	0.802	4.69	5.49	509	27,700	7,100	28,209	34,800	48.0
	07/22/2024	1	<0.050	<0.050	<0.050	1.01	1.01	689	5,440	1,310	6,129	7,439	16.0
	07/22/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	396	3,410	677	3,806	4,483	464
	07/22/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
	07/22/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	154	23.2	154	177	560
	01/14/2025	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	01/14/2025	18	0.297	1.36	2.19	5.58	9.43	174	581	133	755	888	144
	01/14/2025	20	0.248	1.19	1.89	4.80	8.13	147	403	80.9	550	631	224
SS04	06/20/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	3,060	1,000	3,060	4,060	6,320
	07/22/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
	07/22/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,600
	07/22/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
	01/14/2025	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848
	01/14/2025	18	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,410
	01/14/2025	25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,360



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Bradley 13 Federal #001**  
**Oxy USA Inc.**  
**Eddy County, New Mexico**  
**Ensolum Project No. 03B1417195**

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH GRO+DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
Lateral Delineation Soil Sample Analytical Results													
LD-01	01/15/2025	0-0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
	01/15/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
	01/14/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
	01/14/2025	20	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
	01/14/2025	25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
LD-02	01/15/2025	0-0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	01/15/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	01/15/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	01/15/2025	10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	01/15/2025	15	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	01/15/2025	20	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	01/15/2025	25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
LD-03	01/15/2025	0-0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
	01/15/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	01/15/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
	01/15/2025	10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
	01/15/2025	15	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
	01/15/2025	20	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	01/15/2025	25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Bradley 13 Federal #001**  
**Oxy USA Inc.**  
**Eddy County, New Mexico**  
**Ensolum Project No. 03B1417195**

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH GRO+DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
LD-04	01/15/2025	0-0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
	01/15/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>336</b>
	01/15/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
	01/15/2025	10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>160</b>
	01/15/2025	15	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
	01/15/2025	20	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>112</b>
	01/15/2025	25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>

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

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



## APPENDIX A

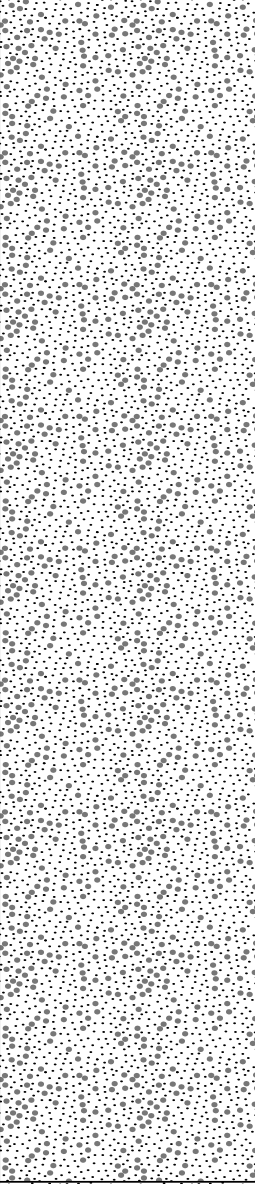
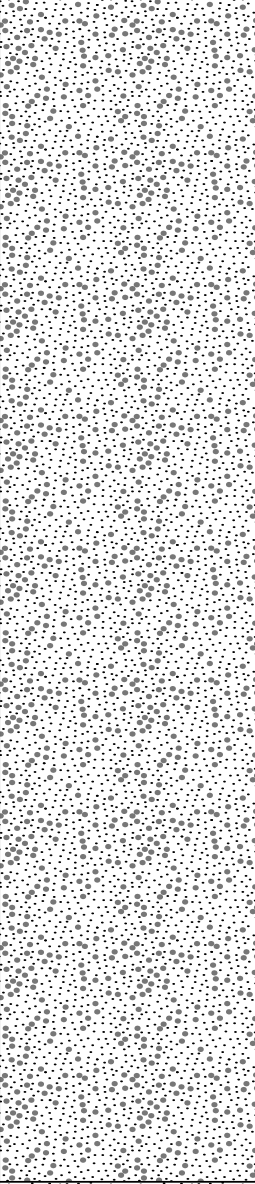
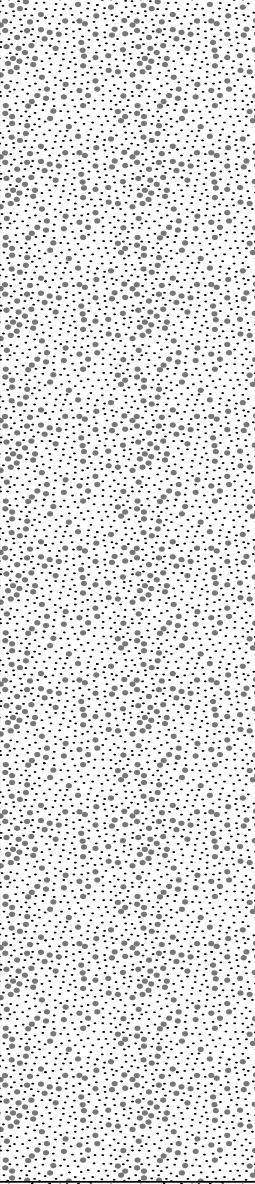
### Referenced Well Records

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# ENVIRONMENTAL SOIL BORING BH-01

<b>PROJECT NUMBER</b> 03B1417195	<b>DRILLING DATE</b> 08/06/2024	<b>WELL NAME</b> C-04851
<b>PROJECT NAME</b> Bradley 13 Federal #001	<b>DRILLING COMPANY</b> WTWV	<b>LOCATION</b> Eddy County, NM
<b>CLIENT</b> Oxy USA Inc.	<b>WELL DIAMETER</b> 6 3/4	<b>PROJECT MANAGER</b> Hadlie Green
<b>ADDRESS</b> 32.122633, -103.940481	<b>TOTAL DEPTH</b> 110'	<b>LOGGED BY</b> Shane Diller

## COMMENTS

Depth (ft)	Graphic Log	Material Description	Additional Observations
10		Sand, Fine-Grained, Poorly Sorted, Pink, Dry, No Hydrocarbon Odor	
20			
30			
40		Sand, Fine-Grained, Poorly Sorted, Light Reddish Brown, Dry, No Hydrocarbon Odor.	
50			
60			
70		Sand, Poorly Sorted, Light Brown, Dry, No Hydrocarbon Odor	
80			
90		Sand, Poorly Sorted, Light Reddish Brown, Dry, No Hydrocarbon Odor	
100			
110		Sand, Fine-Grained, Light Reddish Brown, Dry, No Hydrocarbon Odor	
		Total Depth at 110' Depth to Water >110'	

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





USGS Home

Contact USGS

Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

▼

Geographic Area:

New Mexico

▼

GO

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- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 320857103553301

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320857103553301 25S.30E.07.112331

Eddy County, New Mexico  
Latitude 32°08'57", Longitude 103°55'33" NAD27  
Land-surface elevation 3,169 feet above NAVD88  
The depth of the well is 385 feet below land surface.  
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1959-02-05			D	62610	2903.75	NGVD29	1	Z			A
1959-02-05			D	62611	2905.37	NAVD88	1	Z			A
1959-02-05			D	72019	263.63		1	Z			A
1959-03-07			D	62610	2904.08	NGVD29	1	Z			A
1959-03-07			D	62611	2905.70	NAVD88	1	Z			A
1959-03-07			D	72019	263.30		1	Z			A
1987-10-20			D	62610	2903.13	NGVD29	1	Z			A
1987-10-20			D	62611	2904.75	NAVD88	1	Z			A
1987-10-20			D	72019	264.25		1	Z			A
1992-11-06			D	62610	2904.38	NGVD29	1	S			A
1992-11-06			D	62611	2906.00	NAVD88	1	S			A
1992-11-06			D	72019	263.00		1	S			A
1998-01-28			D	62610	2903.26	NGVD29	1	V			A
1998-01-28			D	62611	2904.88	NAVD88	1	V			A
1998-01-28			D	72019	264.12		1	V			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined

Section	Code	Description
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2024-12-26 17:00:41 EST

0.33 0.25 nadww01




## APPENDIX B


### Lithologic Soil Sampling Logs


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								Sample Name: SS01		Date: 6/20/24-1/14/25	
								Site Name: Bradley 13 Federal #001			
								Incident Number: nAPP2218939473			
								Job Number: 03B1417195			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: KS, SD		Method: Hydro/Geoprobe	
Coordinates: 32.1316595, -103.9402226								Hole Diameter: 6-12"		Total Depth: 25'	
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 included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y	SS01	0.25'	1	CCHE	Caliche, white, stained, heavy petro odor.			
D			Y	SS01	1'	2	CCHE SP	Sand, very fine grained, reddish/brown, dry ,heavy petro odor.			
M		310	Y	SS01	4'	4	SP				
M	677		Y			5	SP	Sand, very fine grained, dark brown, moist, heavy petro odor.			
M			N	SS01	6'	6	SP	Sand, very fine grained, dark brown, moist, heavy petro odor.			
D	901.6	7.6	N	SS01	8'	8	SC	Sandy clay, reddish/yellow, dry, no odor.			
D	2,402	0.6	N			10	SC	Sandy clay, reddish/yellow, dry, no odor.			
D	2,402	58.2	N			12	SP	Sand, very fine grained, reddish/yellow, slight odor.			
						14					
D	498	147	N	SS01	16'	15	SW	Sand, fine grained, grey, slight odor.			
D	823.2	276	N	SS01	16'	16	SW	Sand, fine grained, pinkish/grey, dry, slight odor.			
D	901	118	N			18	SW	Sand, fine grained, pinkish/grey, dry, slight odor.			
D	616	91.6	N			20	SW	Sand, fine grained, pink, dry, no odor.			
D	616	51.2	N			22					
M	397.6	138	N			24	SC	Sandy clay w/gravel, light brown, wet,slight odor.			
D	1,159.2	21	N	SS01	25'	25	GM	Sand w/gravel, light brown, dry, no odor.			




								Sample Name: SS02		Date: 6/20/24-1/15/25	
								Site Name: Bradley 13 Federal #001			
								Incident Number: nAPP2218939473			
								Job Number: 03B1417195			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: KS, SD		Method: Hydro/Geoprobe	
Coordinates: 32.1316079, -103.9403596								Hole Diameter: 6-12"		Total Depth: 25'	
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 included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	498	29.3		SS02	0.25'	2	SP	Sand, very fine grained, reddish/brown, dry ,slight odor.			
D	498	17.6		SS02	4'	4	SW	Sand, fine grained, red, dry, slight odor.			
D	1,579.2	4.3		SS02	6'	6	SW	Sand, fine grained, red, dry, no odor.			
D	616	17.3				8	CCHE	Sand/caliche, pinkish/grey, dry, slight odor.			
D	901	26.9				10	CCHE	Sand/caliche, pinkish/grey, dry, slight odor.			
D	677.6	31.6		SS02	12'	12	GW	Sand, some gravel, pink/grey, dry, slight odor.			
D	901	33.2				14	GW	Sand, some gravel, pink/grey, dry, slight odor.			
D	901	23.3				16	SP	Sand, very fine grained, pinkish/white, dry, no odor.			
D	823	20				18	SP	Sand, very fine grained, pinkish/white, dry, no odor.			
D	616	10.3		SS02	20'	20	SP	Sand, very fine grained, pinkish/white, dry, no odor.			
D	308	3.9				22	SP	Sand, very fine grained, pink, dry, no odor.			
						24					
D	263.2	3		SS02	25'	25	SP	Sand, very fine grained, pink, dry, no odor.			


								Sample Name: SS03	Date: 6/20/24-1/14/25
								Site Name: Bradley 13 Federal #001	
								Incident Number: nAPP2218939473	
								Job Number: 03B1417195	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: KS, SD	Method: Hydro/Geoprobe
Coordinates: 32.1316518, -103.9404988								Hole Diameter: 6-12"	Total Depth: 25'
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 included.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	ND	1,501		SS03 SS03	0.25' 1'	2	SP	Sand, very fine grained, dark brown, moist ,high odor.	
M	168	1,296		SS03	4'	4	SP	Sand, very fine grained, dark brown, moist ,high odor.	
D	ND	996		SS03 SS03	5' 6'	6	SW	Sand, fine grained, reddish/brown, dry, strong odor.	
D	168	13.7		SS03	8'	8	SW	Sand fine grained, red, dry, no odor.	
D	ND	14.6				10	SC	Sandy clay, light brown, no odor.	
D	ND	1,225				12	SC	Sandy clay, reddish/brown, dry, historical odor.	
D	963	17.9				14	SW	Sand, fine grained, red, dry, no odor.	
D	1,545	25.5				15		Historical staining.	
D						16	SW	Sand, fine grained, red, dry, no odor.	
D	425	651.7		SS03	18'	18	SW	Sand, fine grained, reddish/brown, dry, historical odor.	
D	537	769.7		SS03	20'	20	SW	Sand, fine grained, reddish/brown, dry, historical odor.	
D	884	250.5				22	GW	Gravel w/sand, reddish/brown, dry, historical odor.	
D	733	455.7				24			
D						25	SW	Sand, some gravel, fine grained, reddish brown, dry, slight odor.	


 <b>ENSOLUM</b>								Sample Name: SS04		Date: 6/20/24-1/14/25	
								Site Name: Bradley 13 Federal #001			
								Incident Number: nAPP2218939473			
								Job Number: 03B1417195			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: KS, SD		Method: Hydro/Geoprobe	
Coordinates: 32.1317115, -103.9403455								Hole Diameter: 6-12"		Total Depth: 25'	
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 included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D				SS04	0.25'	1	CCHE	Caliche, pinkish/white, dry, no odor.			
				SS04	1'	2	SP	Sand, very fine grained, reddish/brown, dry ,no odor.			
D	3,337	0.0		SS04	4'	4	SP	Sand, very fine grained, reddish/brown, dry ,no odor.			
M				SS04	5'	5	SP	Sand, very fine grained, reddish/brown, slightly moist, no odor.			
M		0.2		SS04	6'	6	SP	Sand,very fine grained,some caliche, reddish/brown, dry, strong odor.			
D						7	SP	Sand, very fine grained, yellowish/red, dry, no odor.			
D	1,545	0.3		SS04	8'	8	SP	Sand, very fine grained, brown, dry, no odor.			
D						9	SP	Sand, very fine grained, pink, dry, no odor.			
D	2514	0.0				10	SP	Sand, very fine grained, pink, dry, no odor.			
D	3,102	0.2				12	SP	Sand, very fine grained, pink, dry, no odor.			
						14					
D	3,920	0.1				15	CCHE	Sand/caliche, pink, dry, no odor.			
D	5,202	0.6				16	CCHE	Sand/caliche, pink, dry, no odor.			
D	6,356	1.2		SS04	18'	18	CCHE	Sand/Caliche, pink, dry, no odor.			
D	6,115	2.0		SS04	20'	20	CCHE	Sand/caliche, pink, dry, no odor.			
D	5,639.2	0.1				22	GW	Sand/gravel, pink, dry, no odor.			
						24					
D	5639.2	0.1		SS04	25'	25	GW	Gravel w/sand, light brown, dry, no odor.			

								Sample Name: LD-01	Date: 1/14-15/2025
								Site Name: Bradley 13 Federal #001	
								Incident Number: nAPP2218939473	
								Job Number: 03B1417195	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: SD	Method: Geoprobe
Coordinates: 32.1316456, -103.9401347								Hole Diameter: 6"	Total Depth: 25'
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 included.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D	ND	0.0		LD-01	0-0.25'	1	CCHE	Caliche, white/pink, dry, no odor.	
D				LD-01	1'	2	SP	Sand, red, dry no odor.	
D	594	0.0		LD-01	4'	4	SP	Sand, red, dry no odor.	
D	229	0.0				6	SP	Sand, red, dry no odor.	
D	489	0.1				7	CCHE	Caliche, well consolidated.	
						8	SP	Sand, pale red, no odor, dry.	
D	554.4	0.0				10	SP	Sand, pinkish/white, dry, no odor.	
D	442.4	0.0				12	SP	Sand, pinkish/white, dry, no odor.	
D	498	0.0				14	SP	Sand, pinkish/white, dry, no odor.	
D	554					16	SP	Sand, pinkish/white, dry, no odor.	
D	498					18	SP	Sand, pinkish/white, dry, no odor.	
D	677	0.0		LD-01	20'	20	SP	Sand, pinkish/white, dry, no odor.	
D	554					22	SP	Sand, very fine grained, pinkish/grey, dry, no odor.	
						24			
D	554	0.0		LD-01	25'	25	SP	Sand, very fine grained, light red/brown, dry, no odor.	

								Sample Name: LD-02		Date: 1/15/2025	
								Site Name: Bradley 13 Federal #001			
								Incident Number: nAPP2218939473			
								Job Number: 03B1417195			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: SD		Method: Geoprobe	
Coordinates: 32.1315488, -103.940399								Hole Diameter: 6"		Total Depth: 25'	
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 included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	ND	0.0		LD-02	0-0.25'	0					
D				LD-02	1'	1	SP	Sand, very fine grained, red, dry no odor.			
D											
D											
D	ND	0.0		LD-02	5'	5	SP	Sand, very fine grained, red, dry no odor.			
D											
D											
D											
D	ND	0.0		LD-02	10'	10	CCHE	Sand, some caliche, pinkish/grey, dry, no odor.			
D											
D											
D											
D	ND	0.0		LD-02	15'	15	SW	Sand, very fine grained, some caliche, pinkish/white, dry, no odor.			
D											
D											
D											
D	ND	0.0		LD-02	20'	20	SW	Sand, very fine grained, some caliche, pink, dry, no odor.			
D											
D											
D											
D	ND	0.0		LD-02	25'	25	CCHE	Sand, some caliche, pink, dry, no odor.			
D											
D											
D											



								Sample Name: LD-03		Date: 1/15/2025	
								Site Name: Bradley 13 Federal #001			
								Incident Number: nAPP2218939473			
								Job Number: 03B1417195			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: SD		Method: Geoprobe	
Coordinates: 32.1316566, -103.9405878								Hole Diameter: 6"		Total Depth: 25'	
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 included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D				LD-03	0-0.25'	1	SP	Sand, very fine grained, red, dry no odor.			
D	324.8	0.0				2	SP	Sand, very fine grained, red, dry no odor.			
D				LD-03	5'	6	CCHE	Sand/Caliche, pinkish/white, dry, no odor.			
D						8	CCHE	Sand/Caliche, pinkish/white, dry, no odor.			
D	240.8	0.0		LD-03	10'	10	CCHE	Sand/Caliche, pinkish/white, dry, no odor.			
D						12	CCHE	Sand/Caliche, pinkish/white, dry, no odor.			
D						14	CCHE	Sand/Caliche, pinkish/white, dry, no odor.			
D				LD-03	15'	16	SW	Sand, some gravel, pinkish/white, dry, no odor.			
D						18	SW	Sand, some gravel, pinkish/white, dry, no odor.			
D	ND	0.0		LD-03	20'	20	SW	Sand, some gravel, pink, dry, no odor.			
						22	SW	Sand, some gravel, pink, dry, no odor.			
						24					
D	ND	0.0		LD-03	25'	25	GM	Silty Sand, some gravel, pink, dry, no odor			

								Sample Name: LD-04		Date: 1/15/2025	
								Site Name: Bradley 13 Federal #001			
								Incident Number: nAPP2218939473			
								Job Number: 03B1417195			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: SD		Method: Geoprobe	
Coordinates: 32.1317673, -103.9403489								Hole Diameter: 6"		Total Depth: 25'	
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 included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D				LD-04	0-0.25'	1'	CCHE	Caliche, white, dry, no odor.			
D				LD-04	1'	2'	SP	Sand, very fine grained, red, dry no odor.			
D	ND	0.1				4'	SP	Sand, very fine grained, red, dry no odor.			
D				LD-04	5'	6'	SP	Sand, very fine grained, red, dry no odor.			
D						8'	SP	Sand, very fine grained, red, dry no odor.			
D	229.6	0.6		LD-04	10'	10'	SP	Sand, very fine grained, red, dry no odor.			
D	599.2	0.0				12'	CCHE	Sand/Caliche, pinkish/grey, dry, no odor.			
						14'	SP	Sand, very fine grained, pink, dry, no odor.			
D	308	1.7		LD-04	15'	16'	SP	Sand, very fine grained, pinkish/grey, dry, no odor.			
D						18'	SP	Sand, very fine grained, pinkish/grey, dry, no odor			
D	324.8	0.0				20'	SP	Sand, very fine grained, pink, dry, no odor.			
D	425.6	1.0		LD-04	20'	22'	SP	Silty Sand, some gravel, light reddish brown, dry, no odor			
D						24'					
D	ND	0.0		LD-04	25'	25'	GM	Silty Sand, large gravel, Light reddish brown, dry, no odor			



## APPENDIX C

### Photographic Log

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**Photographic Log**

Oxy USA Inc.

Bradley 13 Federal #001

Incident Number nAPP2218939473



Photograph: 1 Date: 7/8/2022  
Description: Soil staining in release footprint  
View: West



Photograph: 2 Date: 7/8/2022  
Description: Soil staining in release footprint  
View: East



Photograph: 3 Date: 6/20/2024  
Description: Site Location  
View: East



Photograph: 4 Date: 6/20/2024  
Description: Assessment activities  
View: Southeast



**Photographic Log**

Oxy USA Inc.

Bradley 13 Federal #001

Incident Number nAPP2218939473



Photograph: 5 Date: 6/20/2024  
Description: Assessment activities (SS04 location)  
View: East



Photograph: 6 Date: 6/20/2024  
Description: Assessment activities (SS01 location)  
View: West



Photograph: 7 Date: 7/22/2024  
Description: Delineation activities (SS04)  
View: Southeast



Photograph: 8 Date: 7/22/2024  
Description: Delineation activities (SS03)  
View: South



**Photographic Log**

Oxy USA Inc.

Bradley 13 Federal #001

Incident Number nAPP2218939473



Photograph: 9 Date: 1/14/2025  
Description: Delineation activities (SS04 location)  
View: East



Photograph: 10 Date: 1/14/2025  
Description: Delineation activities (SS01 location)  
View: Southeast



Photograph: 11 Date: 1/14/2025  
Description: Lateral delineation activities  
View: Northeast



Photograph: 12 Date: 1/15/2025  
Description: Delineation activities (SS02)  
View: West



## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

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

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June 27, 2024

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

RE: BRADLEY 13 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 06/20/24 12:37.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene  
Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 06/20/2024  
 Reported: 06/27/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY

Sampling Date: 06/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 01 0.25 (H243648-01)**

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2024	ND	1.83	91.4	2.00	15.4	
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36	
Ethylbenzene*	<b>0.196</b>	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72	GC-NC1
<b>Total Xylenes*</b>	<b>1.52</b>	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15	GC-NC1
<b>Total BTX</b>	<b>1.71</b>	0.300	06/25/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 152 % 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
<b>Chloride</b>	<b>400</b>	16.0	06/24/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>222</b>	100	06/24/2024	ND	181	90.4	200	2.70	
<b>DRO &gt;C10-C28*</b>	<b>25500</b>	100	06/24/2024	ND	183	91.3	200	2.38	
<b>EXT DRO &gt;C28-C36</b>	<b>8070</b>	100	06/24/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 485 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/20/2024  
 Reported: 06/27/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY

Sampling Date: 06/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 02 0.25 (H243648-02)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2024	ND	1.83	91.4	2.00	15.4	
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36	
Ethylbenzene*	<b>0.352</b>	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72	GC-NC1
Total Xylenes*	<b>2.28</b>	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15	GC-NC1
Total BTEX	<b>2.63</b>	0.300	06/25/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 152 % 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	<b>3760</b>	16.0	06/24/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>348</b>	100	06/24/2024	ND	181	90.4	200	2.70	
DRO >C10-C28*	<b>23100</b>	100	06/24/2024	ND	183	91.3	200	2.38	
EXT DRO >C28-C36	<b>6630</b>	100	06/24/2024	ND					

Surrogate: 1-Chlorooctane 152 % 48.2-134

Surrogate: 1-Chlorooctadecane 468 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/20/2024  
 Reported: 06/27/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY

Sampling Date: 06/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 03 0.25 (H243648-03)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2024	ND	1.83	91.4	2.00	15.4	
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36	
Ethylbenzene*	<b>0.802</b>	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72	GC-NC1
Total Xylenes*	<b>4.69</b>	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15	GC-NC1
Total BTEX	<b>5.49</b>	0.300	06/25/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 203 % 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	<b>48.0</b>	16.0	06/24/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>509</b>	100	06/24/2024	ND	181	90.4	200	2.70	
DRO >C10-C28*	<b>27700</b>	100	06/24/2024	ND	183	91.3	200	2.38	
EXT DRO >C28-C36	<b>7100</b>	100	06/24/2024	ND					

Surrogate: 1-Chlorooctane 149 % 48.2-134

Surrogate: 1-Chlorooctadecane 490 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/20/2024  
 Reported: 06/27/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY

Sampling Date: 06/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 04 0.25 (H243648-04)**

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	06/25/2024	ND	1.83	91.4	2.00	15.4		
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15		
Total BTEX	<0.300	0.300	06/25/2024	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	6320	16.0	06/24/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	181	90.4	200	2.70	
DRO >C10-C28*	3060	10.0	06/24/2024	ND	183	91.3	200	2.38	
EXT DRO >C28-C36	1000	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### 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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



## 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:** Beaux Jennings

**Address:** 601 N. Marientfeld St. STE 400

**City:** Midland **State:** TX **Zip:** 79701

**Phone #:** 210-219-8858 **Fax #:**

**Project #:** 0381412195 **Project Owner:**

**Project Name:** Bradley 13 Federal #001

**Project Location:**

**Sample Name:** Shimada 16ery

FOR LAB USE ONLY

**P.O. #:**

**Company:** Oxy USA, Inc.

**Attn:** Wade Dittich

**Address:**

**City:** **State:** **Zip:**

**Phone #:** 575-390-2828 **Fax #:**

**BILL TO**

**ANALYSIS REQUEST**

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	Chloride 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
#843648	SS 01	0.25	C	1								6-20-24	10 36	X	X	X
2	SS 02	0.25	C	1								6-20-24	10 35	X	X	X
3	SS 03	0.25	C	1								6-20-24	10 33	X	X	X
4	SS 04	0.25	C	1								6-20-24	10 41	X	X	X

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**Relinquished By:** *Il. Sh. M. eda* **Date:** 6-20-24 **Received By:** *Speed Riquely*

**Relinquished By:** **Date:** **Received By:**

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

**Thermometer ID:** #443 **Correction Factor:** -0.5°C **#140**

**Remarks:**

**Verbal Result:** ☐ Yes ☒ No **Add'l Phone #:**

**All Results are emailed. Please provide Email address:**

**Company Name:** Ensolum, LLC **Project Manager:** Beaux Jennings **Address:** 601 N. Marientfeld St. STE 400 **City:** Midland **State:** TX **Zip:** 79701 **Phone #:** 210-219-8858 **Fax #:**

**Company:** Oxy USA, Inc. **Attn:** Wade Dittich **Address:** **City:** **State:** **Zip:** **Phone #:** 575-390-2828 **Fax #:**



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---

July 26, 2024

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

RE: BRADLEY 13 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 07/23/24 12:50.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene  
Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/26/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS01 8' (H244368-01)**

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	07/23/2024	ND	2.00	100	2.00	0.0556	
Toluene*	<0.050	0.050	07/23/2024	ND	1.94	97.2	2.00	0.874	
Ethylbenzene*	<0.050	0.050	07/23/2024	ND	2.00	100	2.00	1.56	
Total Xylenes*	<0.150	0.150	07/23/2024	ND	5.90	98.3	6.00	1.63	
Total BTEX	<0.300	0.300	07/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	1250	16.0	07/24/2024	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	07/24/2024	ND	196	97.8	200	9.42	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	9.98	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/26/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS03 5' (H244368-02)**

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	07/23/2024	ND	2.00	100	2.00	0.0556		
Toluene*	<0.050	0.050	07/23/2024	ND	1.94	97.2	2.00	0.874		
Ethylbenzene*	<0.050	0.050	07/23/2024	ND	2.00	100	2.00	1.56		
Total Xylenes*	<0.150	0.150	07/23/2024	ND	5.90	98.3	6.00	1.63		
Total BTEX	<0.300	0.300	07/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	07/24/2024	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	07/24/2024	ND	196	97.8	200	9.42	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	9.98	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/26/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS03 6' (H244368-03)**

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	07/23/2024	ND	2.00	100	2.00	0.0556		
Toluene*	<0.050	0.050	07/23/2024	ND	1.94	97.2	2.00	0.874		
Ethylbenzene*	<0.050	0.050	07/23/2024	ND	2.00	100	2.00	1.56		
Total Xylenes*	<0.150	0.150	07/23/2024	ND	5.90	98.3	6.00	1.63		
Total BTEX	<0.300	0.300	07/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	560	16.0	07/24/2024	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	07/24/2024	ND	196	97.8	200	9.42	
DRO >C10-C28*	154	10.0	07/24/2024	ND	195	97.4	200	9.98	
EXT DRO >C28-C36	23.2	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager





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

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July 29, 2024

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

RE: BRADLEY 13 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 07/23/24 12:55.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/29/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS04 1' (H244370-01)**

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	07/24/2024	ND	1.99	99.5	2.00	4.09	
Toluene*	<0.050	0.050	07/24/2024	ND	1.96	97.9	2.00	4.00	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	1.98	99.2	2.00	4.19	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.87	97.9	6.00	3.87	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	432	16.0	07/24/2024	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	07/25/2024	ND	212	106	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	90.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/29/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS04 4' (H244370-02)**

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	07/24/2024	ND	1.99	99.5	2.00	4.09		
Toluene*	<0.050	0.050	07/24/2024	ND	1.96	97.9	2.00	4.00		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	1.98	99.2	2.00	4.19		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.87	97.9	6.00	3.87		
Total BTEx	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	07/24/2024	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	07/25/2024	ND	212	106	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	90.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/29/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS04 5' (H244370-03)**

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	07/24/2024	ND	1.99	99.5	2.00	4.09		
Toluene*	<0.050	0.050	07/24/2024	ND	1.96	97.9	2.00	4.00		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	1.98	99.2	2.00	4.19		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.87	97.9	6.00	3.87		
Total BTEx	<0.300	0.300	07/24/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	07/24/2024	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	07/24/2024	ND	212	106	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	180	90.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/29/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS01 1' (H244370-04)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>2.02</b>	1.00	07/24/2024	ND	1.99	99.5	2.00	4.09	GC-NC1
<b>Toluene*</b>	<b>15.2</b>	1.00	07/24/2024	ND	1.96	97.9	2.00	4.00	GC-NC1
<b>Ethylbenzene*</b>	<b>18.9</b>	1.00	07/24/2024	ND	1.98	99.2	2.00	4.19	GC-NC1
<b>Total Xylenes*</b>	<b>58.3</b>	3.00	07/24/2024	ND	5.87	97.9	6.00	3.87	GC-NC1
<b>Total BTEx</b>	<b>94.4</b>	6.00	07/24/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 154 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>272</b>	16.0	07/24/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>2970</b>	50.0	07/24/2024	ND	212	106	200	2.44	
<b>DRO &gt;C10-C28*</b>	<b>6110</b>	50.0	07/24/2024	ND	180	90.2	200	1.48	
<b>EXT DRO &gt;C28-C36</b>	<b>1190</b>	50.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 196 % 48.2-134

Surrogate: 1-Chlorooctadecane 183 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/29/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS01 4' (H244370-05)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	1.99	99.5	2.00	4.09	
<b>Toluene*</b>	<b>0.396</b>	0.050	07/24/2024	ND	1.96	97.9	2.00	4.00	GC-NC1
<b>Ethylbenzene*</b>	<b>1.05</b>	0.050	07/24/2024	ND	1.98	99.2	2.00	4.19	GC-NC1
<b>Total Xylenes*</b>	<b>3.54</b>	0.150	07/24/2024	ND	5.87	97.9	6.00	3.87	GC-NC1
<b>Total BTEx</b>	<b>4.99</b>	0.300	07/24/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 219 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>800</b>	16.0	07/24/2024	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
<b>GRO C6-C10*</b>	<b>237</b>	50.0	07/24/2024	ND	212	106	200	2.44	
<b>DRO &gt;C10-C28*</b>	<b>1120</b>	50.0	07/24/2024	ND	180	90.2	200	1.48	
<b>EXT DRO &gt;C28-C36</b>	<b>229</b>	50.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/29/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS03 1' (H244370-06)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	1.99	99.5	2.00	4.09	
Toluene*	<0.050	0.050	07/24/2024	ND	1.96	97.9	2.00	4.00	GC-NC
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	1.98	99.2	2.00	4.19	GC-NC
<b>Total Xylenes*</b>	<b>1.01</b>	0.150	07/24/2024	ND	5.87	97.9	6.00	3.87	GC-NC1
<b>Total BTEx</b>	<b>1.01</b>	0.300	07/24/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 744 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	07/24/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>689</b>	50.0	07/24/2024	ND	212	106	200	2.44	
<b>DRO &gt;C10-C28*</b>	<b>5440</b>	50.0	07/24/2024	ND	180	90.2	200	1.48	
<b>EXT DRO &gt;C28-C36</b>	<b>1310</b>	50.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 147 % 48.2-134

Surrogate: 1-Chlorooctadecane 218 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/23/2024  
 Reported: 07/29/2024  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 07/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS03 4' (H244370-07)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	1.99	99.5	2.00	4.09	GC-NC
Toluene*	<b>0.428</b>	0.050	07/24/2024	ND	1.96	97.9	2.00	4.00	GC-NC1
Ethylbenzene*	<b>0.680</b>	0.050	07/24/2024	ND	1.98	99.2	2.00	4.19	GC-NC1
Total Xylenes*	<b>0.818</b>	0.150	07/24/2024	ND	5.87	97.9	6.00	3.87	GC-NC1
Total BTEx	<b>1.93</b>	0.300	07/24/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 444 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>464</b>	16.0	07/24/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>396</b>	50.0	07/24/2024	ND	212	106	200	2.44	
DRO >C10-C28*	<b>3410</b>	50.0	07/24/2024	ND	180	90.2	200	1.48	
EXT DRO >C28-C36	<b>677</b>	50.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 160 % 48.2-134

Surrogate: 1-Chlorooctadecane 209 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### 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.
S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager





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

---

January 21, 2025

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BRADLEY 13 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 01/17/25 11:49.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 01 10' (H250285-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	1.84	91.9	2.00	2.60	
Toluene*	<0.050	0.050	01/18/2025	ND	1.98	98.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	1.94	97.1	2.00	0.480	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	5.70	95.0	6.00	0.452	
Total BTEX	<0.300	0.300	01/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	512	16.0	01/20/2025	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	01/17/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 01 16' (H250285-02)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.167</b>	0.050	01/18/2025	ND	1.84	91.9	2.00	2.60	GC-NC1
<b>Toluene*</b>	<b>0.391</b>	0.050	01/18/2025	ND	1.98	98.8	2.00	1.51	GC-NC1
<b>Ethylbenzene*</b>	<b>0.954</b>	0.050	01/18/2025	ND	1.94	97.1	2.00	0.480	GC-NC1
<b>Total Xylenes*</b>	<b>2.31</b>	0.150	01/18/2025	ND	5.70	95.0	6.00	0.452	GC-NC1
<b>Total BTEx</b>	<b>3.82</b>	0.300	01/18/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 140 % 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
<b>Chloride</b>	<b>256</b>	16.0	01/20/2025	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
<b>GRO C6-C10*</b>	<b>27.6</b>	10.0	01/17/2025	ND	210	105	200	5.17	
<b>DRO &gt;C10-C28*</b>	<b>66.5</b>	10.0	01/17/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 01 25' (H250285-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	1.84	91.9	2.00	2.60	
Toluene*	<0.050	0.050	01/18/2025	ND	1.98	98.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	1.94	97.1	2.00	0.480	
Total Xylenes*	0.167	0.150	01/18/2025	ND	5.70	95.0	6.00	0.452	GC-NC1
Total BTEX	<0.300	0.300	01/18/2025	ND					GC-NC1

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	128	16.0	01/20/2025	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	01/17/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 02 4' (H250285-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2025	ND	1.84	91.9	2.00	2.60		
Toluene*	<0.050	0.050	01/18/2025	ND	1.98	98.8	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	1.94	97.1	2.00	0.480		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	5.70	95.0	6.00	0.452		
Total BTEX	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	64.0	16.0	01/20/2025	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	01/17/2025	ND	210	105	200	5.17	
DRO >C10-C28*	247	10.0	01/17/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	44.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 02 6' (H250285-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40	QM-07
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	QM-07
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	QM-07
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	QM-07
Total BTEX	<0.300	0.300	01/18/2025	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	01/20/2025	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	01/17/2025	ND	210	105	200	5.17	
DRO >C10-C28*	69.0	10.0	01/17/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 02 12' (H250285-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTEX	<0.300	0.300	01/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	01/20/2025	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*	12.1	10.0	01/17/2025	ND	210	105	200	5.17	
DRO >C10-C28*	829	10.0	01/17/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	161	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 02 20' (H250285-07)**

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	01/18/2025	ND	2.05	102	2.00	6.40		
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39		
Total BTEX	<0.300	0.300	01/18/2025	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	80.0	16.0	01/20/2025	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	01/17/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 02 25' (H250285-08)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40		
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39		
Total BTX	<0.300	0.300	01/18/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/20/2025	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	01/17/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 03 8' (H250285-09)**

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	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTEX	<0.300	0.300	01/18/2025	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	32.0	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 03 18' (H250285-10)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.297</b>	0.050	01/18/2025	ND	2.05	102	2.00	6.40	GC-NC1
<b>Toluene*</b>	<b>1.36</b>	0.050	01/18/2025	ND	2.21	110	2.00	4.21	GC-NC1
<b>Ethylbenzene*</b>	<b>2.19</b>	0.050	01/18/2025	ND	2.28	114	2.00	2.33	GC-NC1
<b>Total Xylenes*</b>	<b>5.58</b>	0.150	01/18/2025	ND	6.89	115	6.00	1.39	GC-NC1
<b>Total BTEX</b>	<b>9.43</b>	0.300	01/18/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 204 % 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
<b>Chloride</b>	<b>144</b>	16.0	01/20/2025	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
<b>GRO C6-C10*</b>	<b>174</b>	10.0	01/18/2025	ND	210	105	200	5.17	
<b>DRO &gt;C10-C28*</b>	<b>581</b>	10.0	01/18/2025	ND	210	105	200	4.54	
<b>EXT DRO &gt;C28-C36</b>	<b>133</b>	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 03 20' (H250285-11)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.248</b>	0.050	01/18/2025	ND	2.05	102	2.00	6.40	GC-NC1
<b>Toluene*</b>	<b>1.19</b>	0.050	01/18/2025	ND	2.21	110	2.00	4.21	GC-NC1
<b>Ethylbenzene*</b>	<b>1.89</b>	0.050	01/18/2025	ND	2.28	114	2.00	2.33	GC-NC1
<b>Total Xylenes*</b>	<b>4.80</b>	0.150	01/18/2025	ND	6.89	115	6.00	1.39	GC-NC1
<b>Total BTEx</b>	<b>8.13</b>	0.300	01/18/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 199 % 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
<b>Chloride</b>	<b>224</b>	16.0	01/20/2025	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
<b>GRO C6-C10*</b>	<b>147</b>	10.0	01/18/2025	ND	210	105	200	5.17	
<b>DRO &gt;C10-C28*</b>	<b>403</b>	10.0	01/18/2025	ND	210	105	200	4.54	
<b>EXT DRO &gt;C28-C36</b>	<b>80.9</b>	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 04 8' (H250285-12)**

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	01/18/2025	ND	2.05	102	2.00	6.40		
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39		
Total BTEX	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	848	16.0	01/20/2025	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 04 18' (H250285-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40		
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39		
Total BTX	<0.300	0.300	01/18/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SS - 04 25' (H250285-14)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTX	<0.300	0.300	01/18/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7360	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 01 0-.25' (H250285-15)**

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	01/18/2025	ND	2.05	102	2.00	6.40		
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39		
Total BTEx	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 01 1' (H250285-16)**

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	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTEX	<0.300	0.300	01/18/2025	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	256	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 01 4' (H250285-17)**

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	01/18/2025	ND	2.05	102	2.00	6.40		
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39		
Total BTEX	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	112	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 01 20' (H250285-18)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTX	<0.300	0.300	01/18/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/14/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 01 25' (H250285-19)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTX	<0.300	0.300	01/18/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 02 0-.25' (H250285-20)**

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	01/18/2025	ND	2.05	102	2.00	6.40		
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39		
Total BTEX	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	<16.0	16.0	01/20/2025	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	01/18/2025	ND	210	105	200	5.17	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	210	105	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 02 1' (H250285-21)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40		
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39		
Total BTX	<0.300	0.300	01/18/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 02 5' (H250285-22)**

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	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTEX	<0.300	0.300	01/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	32.0	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 02 10' (H250285-23)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTX	<0.300	0.300	01/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 02 15' (H250285-24)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2025	ND	2.05	102	2.00	6.40	
Toluene*	<0.050	0.050	01/18/2025	ND	2.21	110	2.00	4.21	
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.28	114	2.00	2.33	
Total Xylenes*	<0.150	0.150	01/18/2025	ND	6.89	115	6.00	1.39	
Total BTX	<0.300	0.300	01/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 02 20' (H250285-25)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96		
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81		
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03		
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50		
Total BTEx	<0.300	0.300	01/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 02 25' (H250285-26)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96		
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81		
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03		
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50		
Total BTEx	<0.300	0.300	01/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 03 0-.25' (H250285-27)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2025	ND	1.97	98.6	2.00	8.96	
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81	
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03	
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50	
Total BTX	<0.300	0.300	01/19/2025	ND					

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

Chloride, SM4500CI-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	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 03 1' (H250285-28)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96	
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81	
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03	
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50	
Total BTEX	<0.300	0.300	01/19/2025	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	32.0	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 03 5' (H250285-29)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96		
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81		
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03		
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50		
Total BTEX	<0.300	0.300	01/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	96.0	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 03 10' (H250285-30)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96	
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81	
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03	
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50	
Total BTEx	<0.300	0.300	01/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 03 15' (H250285-31)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96		
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81		
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03		
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50		
Total BTEx	<0.300	0.300	01/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	01/20/2025	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	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 03 20' (H250285-32)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96		
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81		
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03		
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50		
Total BTEx	<0.300	0.300	01/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/20/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 03 25' (H250285-33)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96		
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81		
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03		
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50		
Total BTEx	<0.300	0.300	01/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/20/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 04 0-.25' (H250285-34)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96	
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81	
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03	
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50	
Total BTEX	<0.300	0.300	01/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/20/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 04 1' (H250285-35)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96	
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81	
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03	
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50	
Total BTEX	<0.300	0.300	01/19/2025	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	336	16.0	01/20/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 04 5' (H250285-36)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96		
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81		
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03		
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50		
Total BTEx	<0.300	0.300	01/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/20/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 04 10' (H250285-37)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96		
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81		
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03		
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50		
Total BTEX	<0.300	0.300	01/19/2025	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	160	16.0	01/20/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 04 15' (H250285-38)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96	
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81	
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03	
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50	
Total BTEx	<0.300	0.300	01/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/20/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 04 20' (H250285-39)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96	
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81	
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03	
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50	
Total BTEX	<0.300	0.300	01/19/2025	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	01/20/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 01/17/2025  
 Reported: 01/21/2025  
 Project Name: BRADLEY 13 FEDERAL #001  
 Project Number: 03B1417195  
 Project Location: OXY 32.132,-103.940297

Sampling Date: 01/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: LD - 04 25' (H250285-40)**

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	01/19/2025	ND	1.97	98.6	2.00	8.96	
Toluene*	<0.050	0.050	01/19/2025	ND	2.10	105	2.00	5.81	
Ethylbenzene*	<0.050	0.050	01/19/2025	ND	2.11	106	2.00	4.03	
Total Xylenes*	<0.150	0.150	01/19/2025	ND	6.29	105	6.00	4.50	
Total BTEx	<0.300	0.300	01/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/20/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2025	ND	228	114	200	5.46	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	205	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager




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Notes and Definitions

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07        The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- GC-NC1       8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
- ND            Analyte NOT DETECTED at or above the reporting limit
- RPD           Relative Percent Difference
- \*\*            Samples not received at proper temperature of 6°C or below.
- \*\*\*          Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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\_\_\_\_\_  
Celey D. Keene, Lab Director/Quality Manager







### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

**Project Manager:** Hadlie Green

**Address:** 601 N. Mañenfeld St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 432-557-8895

---

Email: [hgreen@ensolum.com](mailto:hgreen@ensolum.com)

Project #: 03B1417195

**Project Name:** Bradley13 Fed 001

**Project Location:** Eddy Co NM

**Sampler Name: Shane Diller**

FOR LAB USE ONLY

**BILL TO**

ANALYSIS REQUEST

[illegible]





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

Company Name: Ensolum, LLC  
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Project Manager: Hadlie Green

Address: 601 N. Marland St. STE 400  
City: Midland State: TX Zip: 79701

Phone #: 432-557-8895

Project #: 0381417195

Project Location: Bradley's Fed 001

Sampler Name: Eddy Co NM

Sampler Name: Shane Diller

BILL TO

ANALYSIS REQUEST

P.O. #: \_\_\_\_\_  
Company: \_\_\_\_\_  
Attn: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone #: \_\_\_\_\_  
Email: \_\_\_\_\_

TPH 8015  
BTX8021b

Chlorides 4500

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH 8015	BTX8021b	Chlorides 4500
81	LD-02	1	C	1	GROUNDWATER			1/15/2025	1202	X	X	X
82	LD-02	5	C	1	WASTEWATER			1/15/2025	1205	X	X	X
83	LD-02	10	C	1	SOIL			1/15/2025	1220	X	X	X
84	LD-02	15	C	1	SLUDGE			1/15/2025	1225	X	X	X
85	LD-02	20	C	1	OTHER :			1/15/2025	1235	X	X	X
86	LD-02	25	C	1	ACID/BASE:			1/15/2025	1245	X	X	X
87	LD-03	0-25	G	1	ICE / COOL			1/15/2025	1100	X	X	X
88	LD-03	1	C	1	OTHER :			1/15/2025	1105	X	X	X
89	LD-03	5	C	1				1/15/2025	1110	X	X	X
90	LD-03	10	C	1				1/15/2025	1120	X	X	X

PLEASE NOTE: Liability and damages caused by any delay in delivery of samples is limited to the amount paid by the client to the analyst. In no event shall Cardinal be liable for incidental or consequential damages, including but not limited to, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal. Reproduction of this form is prohibited without the written consent of Cardinal Laboratories.

Relinquished By: *[Signature]*

Date: 1-17-25  
Time: 1:44

Received By: *[Signature]*

Verbal Result: ☐ Yes ☐ No  
All Results are emailed. Please provide Email address:  
Kloewy@ensolum.com / Bjenings@ensolum.com

REMARKS: Paykey/AFENonAFE:

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

Observed Temp. °C  
Corrected Temp. °C

Sample Condition  
Cool Intact ☐ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: ☐ Standard ☐ Expedited  
Cool Intact ☐ Yes ☐ No

Thermometer ID: 8448 #1140  
Correction Factor: -0.0°C

Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4664

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

Company Name: Ensolum, LLC

Project Manager: Hadlie Green

Address: 601 N. Marland St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 432-557-8895

Project #: 03B1417195

Project Name: Bradley13 Fed 001

Project Location: Eddy Co NM

Sampler Name: Shane Diller

BILL TO

ANALYSIS REQUEST

P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone #: \_\_\_\_\_ Email: \_\_\_\_\_

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	TIME	BT	Chloride																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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PLEASE NOTE: Laboratory Charges: Containers, bottles and labels are included in the amount paid to the client for the analysis. All claims including those for lost or damaged containers or labels must be submitted to 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 interruption, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services provided by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_

Date: 1-17-25

Received By: \_\_\_\_\_

Verbal Result: ☐ Yes ☐ No Add'l Phone #: \_\_\_\_\_

Relinquished By: \_\_\_\_\_

Date: 1/14/25

Received By: \_\_\_\_\_

REMARKS: Paykey/AFF/NonAFE: \_\_\_\_\_

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other: \_\_\_\_\_  
Observed Temp. °C: 39.5 Corrected Temp. °C: 38.2  
Sample Condition: ☐ Intact ☐ No ☐ No ☐ No  
CHECKED BY: (Initials) \_\_\_\_\_  
Turnaround Time: ☒ 2 Days ☐ 3 Days ☐ 5 Days ☐ 7 Days  
Thermometer ID: #113 #1143  
Correction Factor: -0.2°C  
AP-1-17-25  
Corrected Temp. °C: \_\_\_\_\_

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

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

QUESTIONS

Action 426824

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 426824
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2218939473
Incident Name	NAPP2218939473 BRADLEY 13 FEDERAL 001 @ 30-015-29256
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-29256] BRADLY 13 FEDERAL #001

**Location of Release Source**

Please answer all the questions in this group.

Site Name	BRADLEY 13 FEDERAL 001
Date Release Discovered	07/06/2022
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure   Valve   Crude Oil   Released: 187 BBL   Recovered: 96 BBL   Lost: 91 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



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QUESTIONS, Page 2

Action 426824

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 426824
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/30/2025
--	---

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QUESTIONS, Page 3

Action 426824

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 426824
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	6320
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	34800
GRO+DRO (EPA SW-846 Method 8015M)	28209
BTEX (EPA SW-846 Method 8021B or 8260B)	94.4
Benzene (EPA SW-846 Method 8021B or 8260B)	2
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/06/2022
On what date will (or did) the final sampling or liner inspection occur	01/15/2025
On what date will (or was) the remediation complete(d)	06/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	6170
What is the estimated volume (in cubic yards) that will be reclaimed	1142
What is the estimated surface area (in square feet) that will be remediated	6170
What is the estimated volume (in cubic yards) that will be remediated	1142
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 426824

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 426824
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/30/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Santa Fe, NM 87505

QUESTIONS, Page 5  
  
Action 426824

QUESTIONS (continued)

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  426824
	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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



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QUESTIONS, Page 6

Action 426824

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 426824
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	426670
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/04/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	3397

**Remediation Closure Request**

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

Requesting a remediation closure approval with this submission	No
--	----

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Santa Fe, NM 87505

CONDITIONS

Action 426824

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 426824
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Approved.	1/31/2025