

April 3, 2025

#### **New Mexico Oil Conservation Division**

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

Re: Closure Request

North Indian Basin Unit #15 Incident Number NAPP2500653070 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared this *Closure Request* to document assessment, delineation, and soil sampling activities performed at the North Indian Basin Unit #15 (Site). The purpose of the Site assessment, delineation, and soil sampling activities was to assess for the presence or absence of impacts to soil resulting from a natural gas release at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Oxy is submitting this *Closure Request*, describing Site assessment and delineation activities that have occurred and requesting closure for Incident Number NAPP2500653070.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 02, Township 21 South, Range 23 East, in Eddy County, New Mexico (32.514799°, -104.570034°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 10, 2024, a flowline leak resulted in an unknown amount of natural gas being released. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on January 6, 2025, and subsequently submitted an Initial C-141 Report (C-141) on February 28, 2025. The release was assigned Incident Number NAPP2500653070.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability 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 C-141 Site Characterization section. Potential Site receptors are identified on Figure 4.

Depth to groundwater at the Site is reasonably estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey Well 323004104344001, located approximately 1.06 miles southwest of the Site. The groundwater well was drilled during October 6, 1987, depth to water was measured to be 146 feet bgs. All wells used for depth to groundwater determination are presented on Figure 4. The associated well records are included in Appendix A.

Oxy USA Inc. Closure Request North Indian Basin Unit #15



The closest continuously flowing or significant watercourse to the Site is Stinking Draw, located approximately 660 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

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): 100 mg/kg
- Chloride: 600 mg/kg

#### SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On January 27, 2025 Ensolum personnel conducted Site assessment activities to evaluate the release extent based on information provided on the Form C-141 and visual observations. Three potholes (DS01, DS02, and DS03) were advanced via hand auger to depths ranging from surface to 7 feet bgs, and discrete soil samples were collected from each pothole location at varying depths ranging from 0.25 feet bgs to 7 feet bgs, in order to assess for the presence or absence of impacted soil resulting from the natural gas release. Eight delineation samples (East, North, Northeast, Northwest, South, Southeast, Southwest, and West) were collected around the perimeter of the release extent, at 0.5 feet bgs, to laterally delineate the presence of impacted soil. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 3. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

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 the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500Cl-B.

Laboratory analytical results for the pothole samples (DS01, DS02, and DS03) as well as the delineation samples (East, North, Northeast, Northwest, South, Southeast, Southwest, and West) were compliant with the most stringent Table I Closure Criteria and thus successfully defined the extent of the release. Confirmation soil sampling and lateral delineation activities were warranted to further confirm the absence of impacted soil within the release area.

#### **DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS**

Between January 31 and February 6, 2025, Ensolum personnel returned to the Site to complete lateral delineation and excavation activities to confirm the absence of impacted soil within the release area. A total of 16 soil samples from the floor of the excavation (FS01 to FS16), and 5 soil samples from the excavation sidewalls (SW01 to SW05) were collected at depths ranging from the surface to 7 feet bgs. Soil samples were field screened for VOCs and chloride, and samples were collected based on the field screening results. The floor and sidewall soil samples were collected, handled, and analyzed following the same procedures previously described. The confirmation soil sample locations were mapped utilizing

Oxy USA Inc. Closure Request North Indian Basin Unit #15



a handheld GPS unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

Laboratory analytical results for floor soil samples (FS01 through FS16) and sidewall soil samples (SW01 through SW05) indicated all COC concentrations were compliant with the reclamation requirements and provided lateral delineation to below the most stringent Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete analytical reports are included as Appendix C.

Subsequent to the results of the final confirmation soil sampling, the excavated areas were backfilled with clean fill material and contoured to the original surrounding grade. Two representative 5-point composite soil samples (Bryksaw Caliche Pit Caliche Sample and Bryksaw Caliche Pit Topsoil Sample) were collected from the backfill material prior to use at the Site. Laboratory analytical results for the backfill soil sample confirmed compliance with the NMOCD requirements for the reclaimed area to be non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 2 and the complete laboratory analytical report is included in Appendix C.

#### **CLOSURE REQUEST**

Soil sampling activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the December 10, 2024, natural gas release. Laboratory analytical results for all pothole, confirmation, and delineation soil samples collected from the release area indicated that all COC concentrations were compliant with the Site Closure Criteria and provided lateral and vertical delineation to the most stringent Table I Closure Criteria. Based on the laboratory analytical results, no impacted soil was identified, and no further remediation is required.

Depth to groundwater was reasonably determined to be greater than 100 feet bgs within 1.06 miles of the Site, the Site is underlain by unstable geology (high potential karst designation area). Oxy believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, Oxy respectfully requests closure for Incident Number NAPP2500653070.

If you have any questions or comments, please contact Mr. Beaux Jennings at <u>Bjennings@ensolum.com</u> or (210) 219-8858.

Sincerely, **Ensolum, LLC** 

Samantha MacKenzie Staff Geologist

Jamasha Malkerne

cc: Wade Dittrich, Oxy USA Inc.

Bureau of Land Management Office

Appendices:

Beaux Jennings Associate Principal Oxy USA Inc. Closure Request North Indian Basin Unit #15



Figure 1 Topographic Map
Figure 2 Site Vicinity Map

Figure 3 Site Map

Figure 4 Closure Criteria Map Figure 5 Backfill Site Map

Table 1 Soil Sample Analytical Results

Table 2 Backfill Soil Sample Analytical Results

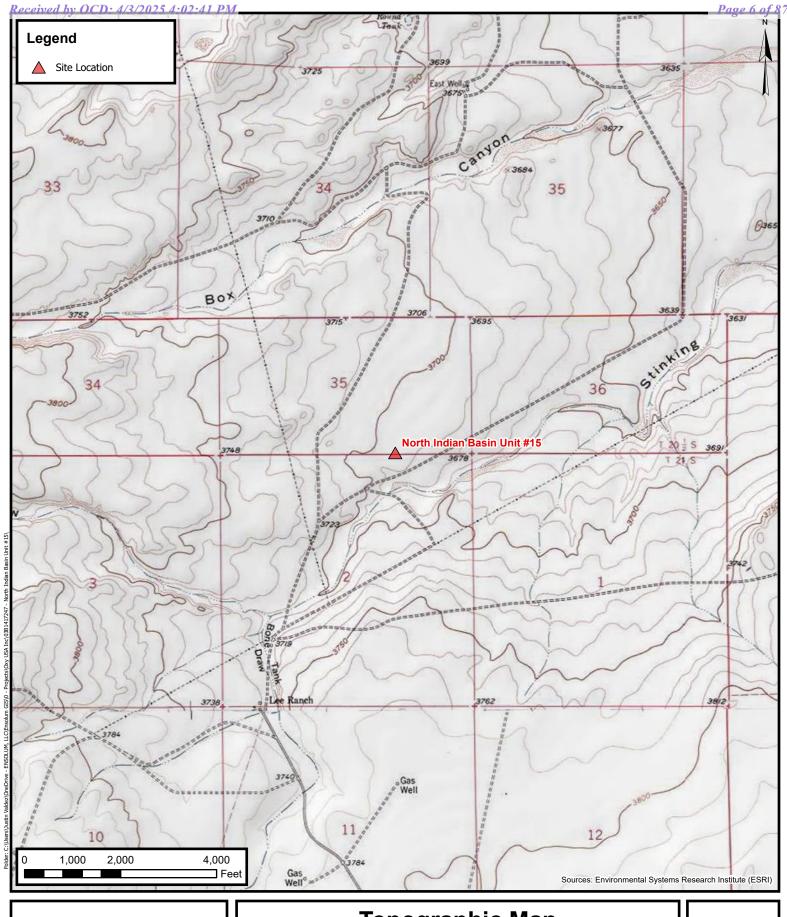
Appendix A Referenced Well Records

Appendix B Photographic Log

Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix D NMOCD Correspondence





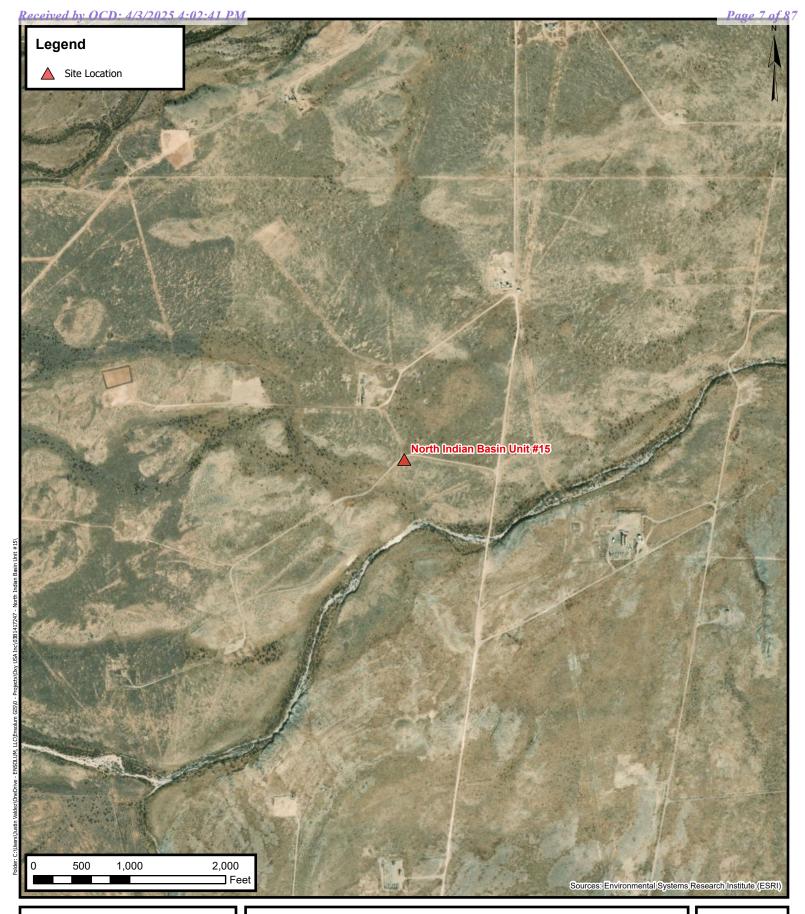


# Topographic Map Oxy USA Inc.

Oxy USA Inc.
North Indian Basin Unit #15
Project Number: 03B1417247
32.514799, -104.570034
Eddy County, New Mexico

FIGURE 1

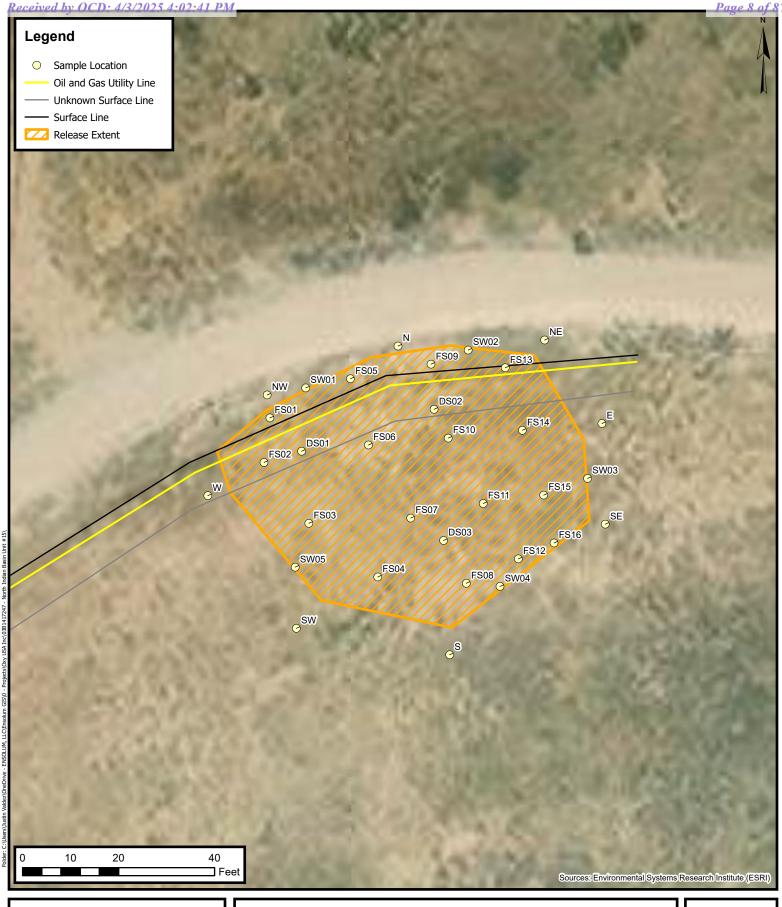
Released to Imaging: 6/20/2025 10:07.37 AM





# **Site Vicinity Map**

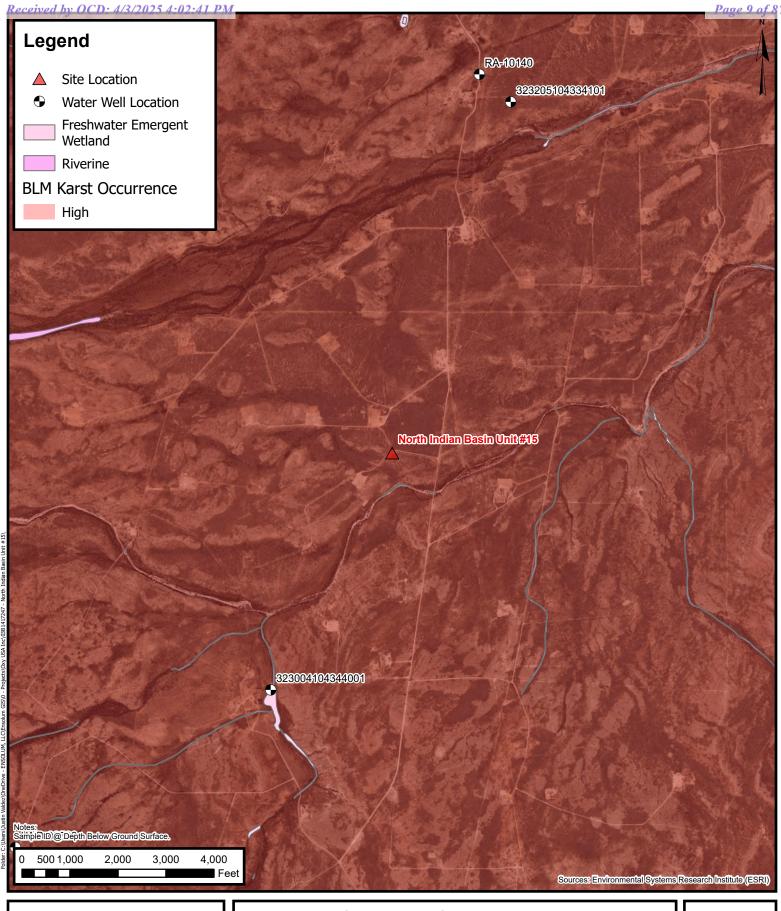
Oxy USA Inc.
North Indian Basin Unit #15
Project Number: 03B1417247
32.514799, -104.570034
Eddy County, New Mexico





# **Site Map**

Oxy USA Inc.
North Indian Basin Unit #15
Project Number: 03B1417247
32.514799, -104.570034
Eddy County, New Mexico





# **Closure Criteria Map**

Oxy USA Inc.
North Indian Basin Unit #15
Project Number: 03B1417247
32.514799, -104.570034
Eddy County, New Mexico





# **Backfill Site Map**

Bryksaw Caliche Pit 32.474238, -104.319420 Eddy County, New Mexico



**TABLES** 



			so	IL SAMPLE ANA North Indian I Oxy, U	LE 1 LLYTICAL RESU Basin Unit #15 SA INC. , New Mexico	LTS			
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	100	600
				Pothole So	oil Samples			•	
		0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS01	1/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
		7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS02	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
5002	172172020	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
		0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
DS03	1/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
		6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
				Confirmation Flo	oor Soil Samples				
FS01	2/5/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS02	2/5/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS03	2/5/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS04	2/5/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS05	2/5/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS06	2/5/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS07	2/5/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS08	2/5/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS09	2/5/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS10	2/5/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS11	2/5/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS12	2/5/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS13	2/5/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS14	2/5/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS15	2/5/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS16	2/5/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
				Confirmation Side	Wall Soil Sample	es			
SW01	2/5/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW02	2/5/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW03	2/5/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW04	2/5/2025	0-7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW05	2/5/2025	0-7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
				Lateral Delination	on Soil Samples				
East	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
North	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
North East	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
North West	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
South	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
South East	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
South West	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
West	1/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

#### Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes GRO: Gasoline Range Organics

DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

Grey text represents samples that have been excavated

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



# TABLE 2 BACKFILL SOIL SAMPLE ANALYTICAL RESULTS

Bryksaw Caliche Pit Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. NA

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	il Conservation Di Soils Impacted b (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
	Composite Background Soil Sample Analytical Result											
BRYKSAW CALICHE PIT CALICHE SAMPLE	3/21/2025	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	68.0	<10.0	68.0	<16.0
BRYKSAW CALICHE PIT TOPSOIL SAMPLE	03/21/2025	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0

bgs: below ground surface mg/kg: milligrams per kilogram

NA: Not Applicable
NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics TPH: Total Petroleum Hydrocarbon



APPENDIX A

Referenced Well Records



**USGS Home Contact USGS** Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

Groundwater United States GO

#### Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site\_no list =

• 323004104344001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 323004104344001 21S.23E.02.33434

Eddy County, New Mexico

Latitude 32°30'04", Longitude 104°34'40" NAD27

Land-surface elevation 3,710.0 feet above NGVD29

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### **Output formats**

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

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 (measure
1987-10-06		D	62610		3563.52	NGVD29	1	9	5	
1987-10-06		D	62611		3565.17	NAVD88	1	9	6	
1987-10-06		D	72019	146.48			1	5	5	

#### 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.
Measuring agency		Not determined
Source of measurement		Not determined



APPENDIX B

Photographic Log

### **ENSOLUM**

#### **Photographic Log**

Oxy USA, Inc North Indian Basin Unit #15 NAPP2500653070





Photograph: 1 Date: 1/10/2025 Description: Release area during one call marking

View: Northwest

Photograph: 2 Date: 1/27/2025

Description: Pothole during delineation efforts

View: Southeast





Photograph: 3 Date: 1/31/2025 Description: Excavation during excavation activities

View: East

Photograph: 4 Date: 1/31/2025 Description: Excavation during excavation activities

View: North

# **ENSOLUM**

#### **Photographic Log**

Oxy USA, Inc North Indian Basin Unit #15 NAPP2500653070





Photograph: 5 Date: 1/31/2025 Description: Excavation during excavation activities

Tiption. Excavation during excavation activities

View: North

Photograph: 6 Date: 2/5/2025

Description: Excavation during confirmation sampling

View: Southwest





Photograph: 7 Date: 2/5/2025

Description: Excavation during confirmation sampling

View: West

Photograph: 8 Date: 2/5/2025 Description: Excavation during confirmation sampling

View: Southeast

# **ENSOLUM**

#### **Photographic Log**

Oxy USA, Inc North Indian Basin Unit #15 NAPP2500653070





Photograph: 9

Description: Backfill View: North

Date: 3/26/2025

Photograph: 10

Description: Backfill

Date: 3/26/2025

View: West





Photograph: 11

Description: Backfill View: East

Date: 3/26/2025

Photograph: 12
Description: Backfill

Description: Backfill View: East Date: 3/26/2025



**APPENDIX C** 

Laboratory Analytical Reports & Chain of Custody Documentation



February 03, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NORTH INDIAN BASIN UNIT #15

Enclosed are the results of analyses for samples received by the laboratory on 01/28/25 13:25.

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 <a href="https://www.tceq.texas.gov/field/ga/lab-accred-certif.html">www.tceq.texas.gov/field/ga/lab-accred-certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: OXY

#### Sample ID: NORTH 0.5' (H250493-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg Ar			d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2025	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: WEST 0.5' (H250493-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	< 0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	de, SM4500Cl-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2025	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: SOUTH 0.5' (H250493-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	< 0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2025	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact 03B1417247 Project Number: Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: EAST 0.5' (H250493-04)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2025	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: SOUTH EAST 0.5' (H250493-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2025	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.5	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: SOUTH WEST 0.5' (H250493-06)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2025	ND	464	116	400	3.51	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.6	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: NORTH WEST 0.5' (H250493-07)

Analyte Result Reporting Limit	Analyzed 01/30/2025	Method Blank	BS	% Recovery	True Value QC	RPD	01:6:
0.050	01/30/2025			,	True value QC	KPD	Qualifier
Benzene* <0.050 0.050		ND	2.05	103	2.00	3.56	
Toluene* <0.050 0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene* <0.050 0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes* <0.150 0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX <0.300 0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID 104 % 71.5-134							
Chloride, SM4500Cl-B mg/kg	Analyzed By: HM						
Analyte Result Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride <16.0 16.0	01/29/2025	ND	464	116	400	3.51	
TPH 8015M mg/kg	Analyze	d By: MS					
Analyte Result Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10* <10.0 10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28* <10.0 10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36 <10.0 10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane 92.7 % 48.2-134							
Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148							

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: NORTH EAST 0.5' (H250493-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2025	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 01 0.25' (H250493-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	0.254	0.150	01/30/2025	ND	6.37	106	6.00	3.33	GC-NC1
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/29/2025	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.5	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

ma/ka

#### Sample ID: DS 01 3' (H250493-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/29/2025	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	194	96.9	200	0.384	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	209	105	200	0.550	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

ma/ka

#### Sample ID: DS 01 7' (H250493-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/29/2025	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	194	96.9	200	0.384	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	209	105	200	0.550	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	71.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.1	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact 03B1417247 Sample Received By: Project Number: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 02 0.5' (H250493-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/29/2025	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	194	96.9	200	0.384	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	209	105	200	0.550	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

ma/ka

#### Sample ID: DS 02 1' (H250493-13)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2025	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	194	96.9	200	0.384	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	209	105	200	0.550	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 03 0.5' (H250493-14)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2025	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	194	96.9	200	0.384	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	209	105	200	0.550	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	77.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

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#### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

ma/ka

#### Sample ID: DS 03 3' (H250493-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/29/2025	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	194	96.9	200	0.384	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	209	105	200	0.550	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/28/2025 Sampling Date: 01/27/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact 03B1417247 Project Number: Sample Received By: Alyssa Parras

Project Location: OXY

### Sample ID: DS 03 6' (H250493-16)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2025	ND	2.05	103	2.00	3.56	
Toluene*	<0.050	0.050	01/30/2025	ND	2.15	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.12	106	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/30/2025	ND	6.37	106	6.00	3.33	
Total BTEX	<0.300	0.300	01/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/29/2025	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	194	96.9	200	0.384	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	209	105	200	0.550	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

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### **Notes and Definitions**

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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### CARDINAL

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Divisor			BILL TO				ANAI YSIS DECLIEST	EOHEOT	
· Oject mailager: Samantha MacKenzie	acKenzie		P.O. #:		-	+		רמטבטו	
Address: 601 N. Marienfeld St. STE 400	. STE 400		Company: OXY USA, Inc.	Inc.					
702 257 2545	State: TX Zip: 79701		Attn: Wade Dittrich						
Project #: 0204 447247	Email: smackenz	Email: smackenzie@ensolum.com	Address:						
Droinet November 11 1241	Project Owner:		City:						
Project Name: North Indian Basin Unit #15	in Unit #15		State: Zip:						
Project Location:			*					_	
Sampler Name: Kaoru Shimada			Email.			_		_	
FOR LAB USE ONLY		L	Email:			_	_	_	_
	MP.	MATRIX	PRESERV. SAM	SAMPLING					
Lab I.D. Sample I.D.	Sample Depth R (C)OM	VATER				1500			
N	(feet)	STEW	D/BASI / COO HER :		EX 80	oride			
North	# (	W/ SC OII	AC	IIME		Chl			
2 West		X	X 1/27/25	953	X X	X			
3 South		X	X 1/27/25	1008	X	X			
4 East		X	X 1/27/25	1022	XX	X		+	
_11		X	X 1/27/25	1026	X	X		+	
		X	X 1/27/25	1029	X	X		<u> </u>	
) North west		X	X 1/27/25	1034 X		X		+	
-		X	X 1/27/25		$\perp$	X	_	+	
Dept Lyorus cast	0.5 G 1	X	X 1/27/25			X I	-		
	0.25 G 1	X				X >		-	
PLEASE NOTE: HAND	3 G I	X	X 1/27/25	146		4 2			
All claims including those for negligence and any other ca	All claims including those for negligence and any other causes whatever when you will be deemed viewed unless made in writing and received by Caste miled to the amount paid by the death of analyses.  In the world shall Country the higher for any other causes whatever will be deemed viewed unless made in writing and received by Caste miled to the amount paid by the death of analyses.  In the world shall Country the higher for production or consensations.	x tort, shall be limited to the amount proceived by Cardinal within 30 days	after completion of the analyses.	1140 X	X	×		_	
Relinquished By:	affiliate or successors entering out of or related to the performance of services hereuropist housing the performance of services hereuropist by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or only Relinquished By:	oss of use, or loss of profits incurre th claim is based upon any of the at	d by client, its subsidiaries, ove stated reasons or otherwise,	, g					
Mr. Ch	Received By:	By:		Verbal Result:	☐ Yes	X No	Add'l Phone #:	ne #:	
Relinquished By:	335 OQ	a de la companya de l		smackenzie@ensolum.com	solum.co	m	Ema		
remiquished by.	Date: Received By:			REMARKS: Paykey/AFE/NonAFE:	key/AFE/	IonAFE:			
Delivered By: (Circle One)	-	Sample Condition	CHECKED BY						
sampler - UPS - Bus - Other:	000	Cool Intact	(Initials)	Rush C	Standard Cool Intact	Bacter Observed Town	Bacteria (only) Sample Condition		
				nometer ID	un to	Committee Comp.	-		
FORM-006 R 3 2 10/07/21		[	3	Correction Factor -0.5°C- 0.0	45°C- 0	1		No No Corrected Temp. °C	p, rc
FORM-005 K 3 2 10/07/21			7						B *C

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

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### **CARDINAL**Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

									_		0	-						l	l	l	l							
Project Manager:	Project Manager: Samantha MacKenzie								P	P.O. #	0	OILL 10		+		1	ANALYSIS	YSI	R	REQUEST	EST	ľ						
Address: 601 N	601 N. Marienfeld St. STE 400								c	mpa	ny:	Company: OXY USA, Inc.	D	$\perp$		_			_			_			$\dashv$	_	$\dashv$	
	State: TX	Zip: 79701							Att	 ¥	ade	Attn: Wade Dittrich		$\perp$		_			_			_			_	_	_	_
Project# canta	703-357-3545	Email: smackenzie@ensolum.com	mac	kenzi	ie@e	nso	lum.	moo	Ad	Address:	s:			_		_			_			_				_		
Project Name: North In	th Indian Basis IIsis Hee	Project Owner:	Owne	ä					City:										_			_			_			_
Project Location	Project Location:								State:	te:		Zip:		_		_		_	_			_				_		_
Camalar Hanne K									Pho	Phone #:	7.5			_					_			_			_	_	_	_
Sampler Name: Kaoru Shimada	aoru Shimada				-	1			T T	Email:				$\perp$		_									_	_	_	_
FOR LAB USE ONLY						MA.	MATRIX		- [	DES.	EB/	CAMD	5										1			_		
					R	-	- 3		7	- KES	PRESERV.	SAMPLING	LING													_		_
Lab I.D. <i>H2S0493</i>	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)O	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	DIL	SLUDGE	OTHER :		OTHER:	DATE	TIME	TEX 8021 B	PH 8015 M	hloride 4500												
11	DS01	7	+	+	_		0	S	_	_	-			B	TI	Ch										_		_
12	DS02	0.5	G	4	+	X	$\pm$		+	< >	+	1/27/25	1229	×	×	×									+	$\dashv$		
13	DS02	1	G 1		-	×			+	X	+	1/27/25	1222	: >	1	>		Γ	t	L								_
14	DS03	0.5	G 1		-	×			+	X		1/27/25	1340	4 >	4 >	4 >		T	t	$\perp$		T	L		T			
4	DS03		G 1			X			$\vdash$	X		1/27/25	1359	× ;	X	< >		T	$^{\dagger}$	1		T	$\perp$		T	+		
9)	2000	6	G I	-	$\vdash$	×			H	X		1/27/25	1422	×	×	X		T	$^{\dagger}$	4		T	1		+	+		
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			+	1	7	$^{\dagger}$	#	4	+	1	Š	101		-			5	9					4		$\forall$	+		
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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February 11, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NORTH INDIAN BASIN UNIT #15

Enclosed are the results of analyses for samples received by the laboratory on 02/05/25 12:20.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Applyand By 14

Project Location: OXY - EDDY CO., NM

### Sample ID: FS 01 1' (H250693-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

### Sample ID: FS 02 1' (H250693-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Reported: 02/11/2025

02/11/2025

Project Name: NORTH INDIAN BASIN UNIT #15

Project Number: 03B1417247

Project Location: OXY - EDDY CO., NM

Sampling Date: 02/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 03 7' (H250693-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

### Sample ID: FS 04 7' (H250693-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	< 0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

### Sample ID: FS 05 1' (H250693-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Reported: 02/11/2025

02/11/2025 NORTH INDIAN BASIN UNIT #15

Project Name: NORTH INDI Project Number: 03B1417247

Project Location: OXY - EDDY CO., NM

Sampling Date: 02/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: FS 06 6' (H250693-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

### Sample ID: FS 07 7' (H250693-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	< 0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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Celey D. Keene



Cool & Intact

### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Reported: 02/11/2025

 02/05/2025
 Sampling Date:
 02/05/2025

 02/11/2025
 Sampling Type:
 Soil

Sampling Condition:

Project Name: NORTH INDIAN BASIN UNIT #15

Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

### Sample ID: FS 08 7' (H250693-08)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

### Sample ID: FS 09 1' (H250693-09)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

### Sample ID: FS 10 1' (H250693-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Reported: 02/11/2025

02/11/2025 NORTH INDIAN BASIN UNIT #15

ma/ka

Project Name: NORTH INDI Project Number: 03B1417247

Project Location: OXY - EDDY CO., NM

Sampling Date: 02/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: FS 11 6' (H250693-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Reported: 02/11/2025

NORTH INDIAN BASIN UNIT #15

ma/ka

Project Name: NORTH INDI Project Number: 03B1417247

Project Location: OXY - EDDY CO., NM

Sampling Date: 02/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: FS 12 6' (H250693-12)

RTFY 8021R

B1EX 8021B	mg/	9	Anaryzo	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.27	113	2.00	1.70	
Toluene*	<0.050	0.050	02/06/2025	ND	2.26	113	2.00	5.77	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.38	119	2.00	7.40	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.25	121	6.00	6.00	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Reported: 02/11/2025

Project Name: NORTH INDIAN BASIN UNIT #15

Project Number: 03B1417247

Project Location: OXY - EDDY CO., NM Sampling Date: 02/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: FS 13 1' (H250693-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Reported:

02/11/2025 Sampling Type:

Project Name: NORTH INDIAN BASIN UNIT #15 Project Number: 03B1417247

Project Location: OXY - EDDY CO., NM

Soil Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

02/05/2025

Sampling Date:

Sample ID: FS 14 1' (H250693-14)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY - EDDY CO., NM

ma/ka

### Sample ID: FS 15 1' (H250693-15)

RTFY 8021R

BIEX 8021B	mg,	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (P	ID 116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025

Sampling Date: 02/05/2025

Reported: 02/11/2025

Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15
Project Number: 03B1417247

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

ma/ka

Sample ID: FS 16 6' (H250693-16)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	196	97.8	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY - EDDY CO., NM

### Sample ID: SW 01 0-1' (H250693-17)

RTFY 8021R

B1EX 8021B	mg/	<u> </u>	Anaiyze	u 5 y : 5 : 1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	225	113	200	3.80	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	207	104	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY - EDDY CO., NM

### Sample ID: SW 02 0-1' (H250693-18)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	225	113	200	3.80	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	207	104	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

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Celey D. Freene



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact
Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY - EDDY CO., NM

### Sample ID: SW 03 0-6' (H250693-19)

RTFY 8021R

Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD	BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Toluene*   Co.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050   0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 02/06/2025 ND 2.49 125 2.00 1.20  Total Xylenes* <0.150 0.150 02/06/2025 ND 7.66 128 6.00 0.766  Total BTEX <0.300 0.300 02/06/2025 ND 7.66 128 6.00 0.766  **Total BTEX	Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Total Xylenes* <0.150 0.150 02/06/2025 ND 7.66 128 6.00 0.766  Total BTEX <0.300 0.300 02/06/2025 ND  Surrogate: 4-Bromofluorobenzene (PID 111 % 71.5-134  Chloride, SM4500Cl-B mg/kg Analyzed By: AC  Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  Chloride <16.0 16.0 02/06/2025 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  GRO C6-C10* <10.0 10.0 02/06/2025 ND 225 113 200 3.80  DRO >C10-C28* <10.0 10.0 02/06/2025 ND 207 104 200 1.87  EXT DRO >C28-C36 <10.0 10.0 02/06/2025 ND  Surrogate: 1-Chlorooctane 89.0 % 48.2-134	Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Total BTEX         <0.300         0.300         02/06/2025         ND           Surrogate: 4-Bromofluorobenzene (PID         111 % 71.5-134           Chloride, SM4500Cl-B         mg/kg         Analyzed By: AC           Analyte         Result Reporting Limit         Analyzed By: AC         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         <16.0         16.0         02/06/2025         ND         432         108         400         3.64           TPH 8015M         mg/kg         Analyzed By: MS           Analyzed By: MS           GRO C6-C10*         <10.0         10.0         02/06/2025         ND         225         113         200         3.80           DRO >C10-C28*         <10.0         10.0         02/06/2025         ND         207         104         200         1.87           EXT DRO >C28-C36         <10.0         10.0         02/06/2025         ND         207         104         200         1.87           Surrogate: 1-Chlorooctane         89.0 %         48.2-134         48.2-134         48.2-134	Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Surrogate: 4-Bromofluorobenzene (PID         111 % 71.5-134           Chloride, SM4500Cl-B         mg/ky         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         <16.0	Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Chloride, SM4500Cl-B         mg/kg         Analyzed by: AC           Analyte         Result Reporting Limit         Analyzed Method Blank BS % Recovery         True Value QC RPD           Chloride         <16.0	Total BTEX	<0.300	0.300	02/06/2025	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  Chloride <16.0 16.0 02/06/2025 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  GRO C6-C10* <10.0 10.0 02/06/2025 ND 225 113 200 3.80  DRO >C10-C28* <10.0 10.0 02/06/2025 ND 207 104 200 1.87  EXT DRO >C28-C36 <10.0 10.0 02/06/2025 ND  Surrogate: 1-Chlorooctane 89.0 % 48.2-134	Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride         <16.0         16.0         02/06/2025         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           GRO C6-C10*         <10.0	Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
TPH 8015M         mg/kg         Analyzed by: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  GRO C6-C10* <10.0 10.0 02/06/2025 ND 225 113 200 3.80  DRO >C10-C28* <10.0 10.0 02/06/2025 ND 207 104 200 1.87  EXT DRO >C28-C36 <10.0 10.0 02/06/2025 ND  Surrogate: 1-Chlorooctane 89.0 % 48.2-134	Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
GRO C6-C10* <10.0 10.0 02/06/2025 ND 225 113 200 3.80 DRO >C10-C28* <10.0 10.0 02/06/2025 ND 207 104 200 1.87 EXT DRO >C28-C36 <10.0 10.0 02/06/2025 ND  Surrogate: 1-Chlorooctane 89.0 % 48.2-134	TPH 8015M	mg,	/kg	Analyze	d By: MS					
DRO >C10-C28* < 10.0 10.0 02/06/2025 ND 207 104 200 1.87 EXT DRO >C28-C36 <10.0 10.0 02/06/2025 ND   Surrogate: 1-Chlorooctane 89.0 % 48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 02/06/2025 ND  Surrogate: 1-Chlorooctane 89.0 % 48.2-134	GRO C6-C10*	<10.0	10.0	02/06/2025	ND	225	113	200	3.80	
Surrogate: 1-Chlorooctane 89.0 % 48.2-134	DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	207	104	200	1.87	
	EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148	Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	83.1	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 02/05/2025 Sampling Date: 02/05/2025

Reported: 02/11/2025 Sampling Type: Soil

Project Name: NORTH INDIAN BASIN UNIT #15 Sampling Condition: Cool & Intact Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY CO., NM

### Sample ID: SW 04 0-7' (H250693-20)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	225	113	200	3.80	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	207	104	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

 Received:
 02/05/2025
 Sampling I

 Reported:
 02/11/2025
 Sampling I

Project Name: NORTH INDIAN BASIN UNIT #15

Project Number: 03B1417247

Project Location: OXY - EDDY CO., NM

Sampling Date: 02/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: SW 05 0-7' (H250693-21)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	2.42	121	2.00	0.159	
Toluene*	<0.050	0.050	02/06/2025	ND	2.52	126	2.00	0.623	
Ethylbenzene*	< 0.050	0.050	02/06/2025	ND	2.49	125	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	7.66	128	6.00	0.766	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2025	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2025	ND	225	113	200	3.80	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	207	104	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### **Notes and Definitions**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

biank spike recovery outside of lab established statistical filmits, 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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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 1	(575) 393-2326 FAX (5/5) 393-24/6		200	
Company Name: Ensolum, LLC		BILL 10	ANA	ANALIGIO NEGOTO:
Project Manager: Samantha MacKenzie	acKenzie	P.O. #:		
arien	uite 400	Oxy, USA, Inc.		
City: Midland	State: TX Zip: 79701	Attn: Wade Dittrich		
Phone #: 703-357-3545	Fax #:	Address:		
Project #: 03B1417247	Project Owner:	City:		
Project Name: North Indian Basin Unit #15	Jnit #15	State: Zip:		
Project Location: Eddy County, NM	M	Phone #		
Sampler Name: Noah Duker		Fax #:		
$\neg$		MATRIX PRESERV, SAMPLING		
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	OIL SLUDGE OTHER: ACID/BASE: (ICE / COOL OTHER:	BTEX 8021 TPH 8015 Chlorides 4500	
(0/2)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12/5/2 X	0/38 X X X	
D F502		× 7/20		
N (2)	7	361/1 C A	X X X	
+		X 23/08	X X X 2529	
S		X ZYZX	0748 X X X	
1607	7 C X	X X X X X X	0750 X X X	
Q. KB	7 C   X	X 2/8/28	0752 X X X	
Day The		(727)	77.0	
10		K LY X	by the client for the	
PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for negligence and any	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim árising whether based in contract or tort, shall be immed to the amount part by uniform the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal which) 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal which). Occurrently an analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal which). So a so the contract of the property of the applicable analyses. All claims including those for negligence and any other cause whatsoever is the property of the applicable analyses. All claims including those for negligence and any other cause whatsoever is the property of the applicable analyses. All claims including those for negligence and any other cause whatsoever is that of the applicable analyses. All claims including those for negligence and any other cause whatsoever is the applicable analyses. All claims including those for negligence and any other cause whatsoever is the applicable analyses. All claims including this property is a second of the applicable and the applicable analyses. All claims including this property is a second of the applicable analyses. All claims including this property is a second of the applicable and the applicable analyses. All claims including this property is a second of the applicable analyses. All claims including this property is a second of the applicable and the applicable a	ed in contract or tort, shall be limited to the amount, pare in writing and received by Cardinal within 30 days after interruptions, loss of use, or loss of profits incurred by o	r completion of the applicable completions are completely co	
service. In no event shall calculate to leave to service affiliates or successors arising out of or related to the performance.	mance of services hereunder by Cardinal, regardless of wheth	rdinal, regardless of whether such claim is based upon any of the above stated re	lt: □ Yes	Add'l Phone #:
Relinquished By:	Times on Section	duque	All Results are emailed. Please provide Email address: smackenzie@ensolum.com	mail address:
Refinquished By:	Date: Received By:		REMARKS	
	8	CHECKED BY:	Turnaround Time: Standard	Bacteria (only) Sample Condition
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Connected Temps, Ch. S. Could	Cool Intact (Initials)	HO Rush O·3 c	Cool Intact Observed Temp. *C  Yes Yes  No Corrected Temp. *C

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

Corrected Temp. %

300 38

Sample Condition
Cool Intact
Pes Pes
No No

CHECKED BY:

Turnaround Time: Thermometer ID#140 Correction Factor +0.3

Standard Rush

Œ

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(5/5) 393-2326 F	FAA (0/0) 393-24/0		CONTRACTOR OF THE PROPERTY OF	ANIAL VOIC DECILECT
Company Name: Ensolum, LLC		BILL TO		ANALISIS REGOES!
Project Manager: Samantha MacKenzie	cKenzie	P.O. #:		
larien	lite 400	Oxy, USA, Inc.		
City: Midland	State: TX Zip: 79701	Attn: Wade Dittrich		
Phone #: 703-357-3545	Fax #:	Address:		
	Project Owner:	City:		
Project Name: North Indian Basin Unit #15	nit #15	State: Zip:		
Project Location: Eddy County, NM	4	Phone #		
Project Location.				
Sampler Name: Noah Duker		1	NG	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	3	
Lab I.D. Sample I.D.	(feet) (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX 8021 TPH 8015 Chlorides 4500	
17	#	×	X X X	
187	6 C C	X 21/12 C	XX X X	
12 5(17	X C C	Q 52,577, X	<i>S1</i>	
こりかえ	C	X 21/105 C	XCH X X	
7/2	X	X 27/25 D	OB X X	
	6, C - X	X 275/28 X	X V X 8089	
200	N N	1 50/12 X	0820 X X X	
2 Swor	0-1 C	X 2/5/25 (	V X X ZZ	
2000 Study	0-6° C	1 51/12 X	Str X X X	
tem?	0-7 C / X	x 2/4/26	86 7 V 1	
PLEASE NOTE: Liability and Damages. Cardinal's liability an analyses. All claims including those for negligence and any o	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be larged to the amount paid by the completion of the applicable arialyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable arialyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within a completion of the applicable arial shall be deemed walved unless made in writing and received by Cardinal within a completion of the applicable arial shall be deemed walved unless made in contract or tot, shall be larged to the amount paid by the completion of the applicable arial shall be deemed walved unless made in contract or tot, shall be larged to the amount paid by the completion of the applicable arial shall be deemed walved unless made in contract or tot, shall be larged to the amount paid by the applicable arial shall be deemed walved unless made in contract or tot, shall be larged to the amount paid by the applicable are also as a shall be deemed walved unless made in contract or tot, shall be larged to the amount paid by the applicable are also as a shall be deemed walved unless made in contract or tot, shall be deemed walved to the applicable and the applicable are also as a shall be deemed walved to the applicable and the applicable are also as a shall be deemed walved to the applicable are also as a shall be deemed walved and the applicable are also as a shall be deemed walved and the applicable are also as a shall be deemed walved and the applicable are also as a shall be deemed with a shall be deemed walved and the applicable are also as a shall be deemed with a sh	ct or tort, shall be limited to the amount paid by nd received by Cardinal within 30 days after or , loss of use, or loss of profits incurred by clier	y the client for the ompletion of the applicable nt, its subsidiaries.	
affiliates or successors arising out of or related to the perform  Polinguished By:	Finders or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwise finders or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwise finders or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwise finders.    Verbal Reservices   Participation   Particip	n is based upon any of the above stated reaso	sons of ourewise.  Yes □ No □ Add'l Phone #:  All Bossills are emailed □ Please provide Email address:	Add'l Phone #:
		25	smackenzie@ensolum.com	
Relinguished By:	Date: Received By:		REMARKS:	
	Time:			

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 3



(575) 393-2326 FAX (575) 393-2476	X (575) 393-2476		ANA	ANALYSIS REQUEST
ompany Name: Ensolum, LLC		BILL 10		
roject Manager: Samantha MacKenzie	enzie	P.O. #:		
ddress: 601 N Marienfeld Street, Suite 400	e 400	Oxy, USA, Inc.		
ity: Midland	State: TX Zip: 79701	Attn: Wade Dittrich		
hone #: 703-357-3545	Fax #:	Address:		
	Project Owner:	City:		
Project Name: North Indian Basin Unit #15	t#15	State: Zip:		
Project Location: Eddy County, NM		Phone #		
ampler Name: Noah Duker		1		
┨ <sup></sup> "	MATRIX	PRESERV. SAMPLING	46	
FOR LAB USE ONLY	VATER	E:	15	
Lab I.D. Sample I.D.	G)RAB OR CONTAINE GROUNDWASTEWAT SOIL OIL SLUDGE	OTHER: ACID/BASE ICE / COOL OTHER:  DATE	BTEX 80 TPH 801 Chloride	
31 (mos	*	X 25/25 E	828 × × ×	
147	NO			
	54%7		/	
PLEASE NOTE: Liability and Damages. Cardinal's liability and canalyses. All claims including those for negligence and any other	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within 30 days after completion of the applicable.	act or tort, shall be limited to the amount paid by and received by Cardinal within 30 days after or is, loss of use, or loss of profits incurred by clier	y the client for the impletion of the applicable it, its subsidiaries,	
service. In no event shall caldinal be liable to lineaction of affiliates or successors arising out of or related to the performance.	anising out of or related to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated te arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated te arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated to	aim is based upon any of the above stated reass	lt: ☐ Yes ☐ No	Add'I Phone #: de Email address:
MM WW	Mondays Cristing	2	@ensolum.c	
Relinquished By:	Recei	9	REMARKS:	
	Occasion Temps of A Sample Condition	CHECKED BY:	Turnaround Time: Standard	Bacteria (only) Sample Condition Cool Infact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. C	SR Company		0 %
FURM-006 K 3.2 10/07/21	† Cardinal cannot accept verbal c	hanges. Please email chan	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	1,com



March 24, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BRYKSAW CALICHE PIT

Enclosed are the results of analyses for samples received by the laboratory on 03/21/25 13:52.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/21/2025 Reported: 03/24/2025

Project Name: BRYKSAW CALICHE PIT

Project Number: 03B1417247

Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 03/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: BRYKSAW CALICHE PIT CALICHE SAMPLE (H251679-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	2.02	101	2.00	2.61	
Toluene*	<0.050	0.050	03/22/2025	ND	2.12	106	2.00	3.24	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.08	104	2.00	4.14	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.12	102	6.00	4.21	
Total BTEX	<0.300	0.300	03/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/24/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	203	101	200	4.27	
DRO >C10-C28*	68.0	10.0	03/21/2025	ND	196	98.2	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	98.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.1	% 40.6-15	3						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



03/21/2025

Soil

### Analytical Results For:

ENSOLUM, LLC SAMANTHA MACKENZIE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/21/2025 Sampling Date: Reported: 03/24/2025 Sampling Type:

Project Name: **BRYKSAW CALICHE PIT** Sampling Condition: Cool & Intact Project Number: 03B1417247 Sample Received By: Shalyn Rodriguez

Project Location: OXY - EDDY COUNTY, NM

### Sample ID: BRYKSAW CALICHE PIT TOPSOIL SAMPLE (H251679-02)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	2.02	101	2.00	2.61	
Toluene*	<0.050	0.050	03/22/2025	ND	2.12	106	2.00	3.24	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.08	104	2.00	4.14	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.12	102	6.00	4.21	
Total BTEX	<0.300	0.300	03/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/24/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	203	101	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	98.2	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					
Surrogate: 1-Chlorooctane	75.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.2	% 40.6-15	3						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name	Company Name: Ensolum, LLC			BILL TO	ANAI YSIS	YSIS REQUEST
Project Manager:4	r:-Beaux-Jonathy	Samanta	MacHazia	P.O. #:		
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: Oxy USA Inc.	nc.	
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 318-219-8056		(763) 367-3545Fax #:		Address:		
Project #: 03	03B1417247	Project Owner:	a	City:		
Project Name:	Bryksaw C	Caliche Pit		State: Zip:		
Project Location:	Eddy	County, N M		#: 575		
Sampler Name:		NUTCE / Raphea	eal udeh	Fax#:		
FOR LAB USE ONLY			-	ESERV.	5	
Lab I.D.	Sample I.D.	Depth (feet)	CAB OR (C)OMP.  ONTAINERS  OUNDWATER  STEWATER  DOGE	ER: D/BASE: COOL ER:	BTEX 80 TPH 801 Chloride	
_	Bryksaw Caliche	1	× × ×	× 10	XXX	
-	Pit Culiche Sample	PIC				
٧	Bryhsaw Caliche	1	C 1 X	X 3/2/35	1030 X X X	
2	Pit Topsoil Sample	Ple				
			1	13		
					6/5	\$ 1
LEASE NOTE: Liability and malyses. All claims including ervice. In no event shall Car ffliates or suppressors arising ffliates or suppressors arising the state of the st	lability and Damages, Cardinal's liability and cli- si including those for negligence and any other it shall Cardinal be liable for incidental or conse	nd client's exclusive remedy for an other cause whatsoever shall be d consequental damages, including	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for neighgence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal bable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	or tort, shall be limited to the amount pa d received by Cardinal within 30 days aft loss of use, or loss of profits incurred by	id by the client for the or completion of the applicable client, its subsidiaries,	
3	1		Date: Received By: Verbal Res	is pased upon any of the above stated re	Verbal Result:	ne#:
1	1	100 C	10000g	2000	emailed. Please prov	address:
Relinquished By:		Date: Time:	Received By:		REMARKS:	J
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Corrected Temp. C 1	Sample Condition Cool Intact Cool Intact	On CHECKED BY:	Turnaround-Time: Standard Ba	Bacteria (only) Sample Condition Cool Infact Observed Temp. °C
		Corrected Temp.			armometer D #113	



APPENDIX D

NMOCD Correspondence

From: Velez, Nelson, EMNRD

To: Samantha MacKenzie

 Cc:
 Wade Dittrich; Morgan, Crisha A; Bratcher, Michael, EMNRD; Rodgers, Scott, EMNRD

 Subject:
 Re: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

**Date:** Friday, February 28, 2025 8:29:06 AM

Attachments: <u>image001.png</u>

image002.png image003.png Outlook-ybkez0lh.png

You don't often get email from nelson.velez@emnrd.nm.gov. Learn why this is important

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

Good morning Samantha,

Thanks for the correspondence. I've been assigned to this incident.

The specific incident has a remediation due date of March 10, 2025. I have flagged your email to response and approve your time extension within a week of due date expiration.

Have a safe and productive day!

Regards,

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



From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Sent: Thursday, February 27, 2025 3:01 PM

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

Subject: FW: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

**Scott Rodgers** ● Environmental Specialist – Adv.

Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd



**From:** Samantha MacKenzie <smackenzie@ensolum.com>

Sent: Thursday, February 27, 2025 12:09 PM

**To:** Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

**Cc:** Dittrich, John W <Wade\_Dittrich@oxy.com>; camorgan@blm.gov

Subject: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

You don't often get email from <a href="mailto:smackenzie@ensolum.com">smackenzie@ensolum.com</a>. Learn why this is important

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

Hello,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 30-day extension for the North Indian Basin Unit #15 (NAPP2500653070).

Due to delays in scheduling with contractors and various team members, excavation activities at the Site have just recently been completed to meet the Closure Criteria Limits specific to this location. The site has been fully remediated. We will begin the drafting the Closure for this Site. Therefore, we humbly ask for an extension so that we may complete the report and so it can be thoroughly reviewed before submitting the final copy to the portal. Please let us know if you have any questions.

Thank you so much for your time!



## Samantha MacKenzie

From: Samantha MacKenzie

**Sent:** Friday, March 14, 2025 10:14 AM

**To:** 'Velez, Nelson, EMNRD'

Cc:Wade Dittrich; Morgan, Crisha A; Bratcher, Michael, EMNRD; Rodgers, Scott, EMNRDSubject:RE: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

## Good Morning,

The NMOCD portal says that the report due date was 3/10/25 but due to our prior correspondence listed below you had granted Oxy an additional week making the new due date 3/17/25. Thank you for granting the 30 days, the closure report will be submitted before April 9<sup>th</sup>, 2025.

## Thanks,



From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Sent: Friday, March 14, 2025 10:07 AM

To: Samantha MacKenzie <smackenzie@ensolum.com>

Cc: Wade Dittrich <wade dittrich@oxy.com>; Morgan, Crisha A <camorgan@blm.gov>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

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

Good morning Samantha,

Thank you for the correspondence.

The incident remediation closure report due date (RCRDD) had lapsed after March 10, 2025. In the future, please submit your requests prior to its RCRDD expires. Failure to do so may result in any request being denied.

Your 30-day time extension request is approved. Remediation Due date has been updated to April 9, 2025.

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

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not

limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u>

http://www.emnrd.nm.gov/ocd



From: Samantha MacKenzie <smackenzie@ensolum.com>

Sent: Thursday, March 13, 2025 3:05 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: Wade Dittrich < wade dittrich@oxy.com >; Morgan, Crisha A < camorgan@blm.gov >; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Rodgers, Scott, EMNRD <<u>Scott.Rodgers@emnrd.nm.gov</u>> **Subject:** RE: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

Some people who received this message don't often get email from <a href="mailto:smackenzie@ensolum.com">smackenzie@ensolum.com</a>. <a href="mailto:Learn">Learn</a> why this is important

Good Afternoon,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 30-day extension for the North Indian Basin Unit #15 (NAPP2500653070).

Oxy is currently working on receiving approval from a local caliche pit owner to utilize their material for backfill, backfilling activities at the site have not yet been completed. The site has been fully remediated. We have drafted a copy of Closure for the site. Therefore, we humbly ask for an extension so that we may complete the report with the backfilling activities so it can be thoroughly reviewed before submitting the final copy to the portal. Please let us know if you have any questions.

# Thank you so much for your time!



From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Sent: Friday, February 28, 2025 8:29 AM

To: Samantha MacKenzie <smackenzie@ensolum.com>

**Cc:** Wade Dittrich < wade dittrich@oxy.com >; Morgan, Crisha A < camorgan@blm.gov >; Bratcher, Michael, EMNRD

<<u>mike.bratcher@emnrd.nm.gov</u>>; Rodgers, Scott, EMNRD <<u>Scott.Rodgers@emnrd.nm.gov</u>> **Subject:** Re: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

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

Good morning Samantha,

Thanks for the correspondence. I've been assigned to this incident.

The specific incident has a remediation due date of March 10, 2025. I have flagged your email to response and approve your time extension within a week of due date expiration.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u>

http://www.emnrd.nm.gov/ocd



From: Rodgers, Scott, EMNRD < <a href="mailto:Scott.Rodgers@emnrd.nm.gov">Scott.Rodgers@emnrd.nm.gov</a>>

Sent: Thursday, February 27, 2025 3:01 PM

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

Subject: FW: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

# Scott Rodgers • Environmental Specialist – Adv.

**Environmental Bureau** 

EMNRD - Oil Conservation Division

5200 Oakland NE, Suite B | Albuquerque, NM 87113

505.469.1830 | scott.rodgers@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd



From: Samantha MacKenzie < smackenzie@ensolum.com >

Sent: Thursday, February 27, 2025 12:09 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Dittrich, John W < Wade Dittrich@oxy.com >; camorgan@blm.gov

Subject: [EXTERNAL] Extension Request North Indian Basin Unit #15 (NAPP2500653070)

You don't often get email from smackenzie@ensolum.com. Learn why this is important

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

Hello,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 30-day extension for the North Indian Basin Unit #15 (NAPP2500653070).

Due to delays in scheduling with contractors and various team members, excavation activities at the Site have just recently been completed to meet the Closure Criteria Limits specific to this location. The site has been fully remediated. We will begin the drafting the Closure for this Site. Therefore, we humbly ask for an extension so that we may complete the report and so it can be thoroughly reviewed before submitting the final copy to the portal. Please let us know if you have any questions.

Thank you so much for your time!

# Samantha MacKenzie



Staff Geologist

703-357-3545

**Ensolum, LLC** 

in f 💥

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 448613

## **QUESTIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	448613
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500653070
Incident Name	NAPP2500653070 NORTH INDIAN BASIN UNIT #15 @ 0
Incident Type	Natural Gas Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NORTH INDIAN BASIN UNIT #15
Date Release Discovered	12/10/2024
Surface Owner	Federal

ncident Details	
Please answer all the questions in this group.	
Incident Type	Natural Gas 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	
flaterial(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	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	Cause: Other   Flow Line - Production   Natural Gas Vented   Released: 0 MCF (Unknown Released Amount)   Recovered: 0 MCF   Lost: 0 MCF.
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)	Historical Release. Not sure how much liquid and gasses were released from flowline

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

QUESTIONS, Page 2

Action 448613

QUESTI	IONS (continued)
Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 448613 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears 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: (3) an unauthorized release of gases exceeding 500 MCF.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 s	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	NA NA
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com

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

Phone: (505) 629-6116 Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 448613

**QUESTIONS** (continued)

ı	Operator:	OGRID:
ı	OXY USA INC	16696
ı	P.O. Box 4294	Action Number:
ı	Houston, TX 772104294	448613
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	U.S. Geological Survey	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)	
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	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 500 and 1000 (ft.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Zero feet, overlying, or within area	
Categorize the risk of this well / site being in a karst geology	High	
A 100-year floodplain	Between 500 and 1000 (ft.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in m	illigrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	64	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0	
GRO+DRO (EPA SW-846 Method 8015M)	0	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes complete which includes the anticipated timelines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	01/10/2025	
On what date will (or did) the final sampling or liner inspection occur	02/05/2025	
On what date will (or was) the remediation complete(d)	03/26/2025	
What is the estimated surface area (in square feet) that will be reclaimed	3215	
What is the estimated volume (in cubic yards) that will be reclaimed	929	
What is the estimated surface area (in square feet) that will be remediated	3214	
What is the estimated volume (in cubic yards) that will be remediated	929	
These estimated dates and measurements are recognized to be the best guess or calculation at the	ne time of submission and may (be) change(d) over time as more remediation efforts are completed.	

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

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

QUESTIONS, Page 4

Action 448613

**QUESTIONS** (continued)

ı	Operator:	OGRID:
ı	OXY USA INC	16696
ı	P.O. Box 4294	Action Number:
ı	Houston, TX 772104294	448613
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Power that the Phon (constituted)	
Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
Yes	
LEA LAND LANDFILL [fEEM0112342028]	
Not answered.	

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

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

Name: Wade Dittrich Title: Environmental Coordinator I hereby agree and sign off to the above statement Email: wade\_dittrich@oxy.com Date: 04/03/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 448613

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	448613
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 448613

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	448613
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

ampling Event Information	
Last sampling notification (C-141N) recorded	427467
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	3214

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	3214	
What was the total volume (cubic yards) remediated	929	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	3214	
What was the total volume (in cubic yards) reclaimed	929	
Summarize any additional remediation activities not included by answers (above)	NA	

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

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

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade\_dittrich@oxy.com
Date: 04/03/2025

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 448613

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	448613
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

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

General Information Phone: (505) 629-6116

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

CONDITIONS

Action 448613

### **CONDITIONS**

ı	Operator:	OGRID:
ı	OXY USA INC	16696
ı	P.O. Box 4294	Action Number:
ı	Houston, TX 772104294	448613
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation closure is approved.	6/20/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/20/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/20/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/20/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	6/20/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	6/20/2025