

March 17, 2025

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

Re: Closure Request

Old Ranch Canyon 7 Federal #001 Incident Number: nMLB0432755192

API: 30-015-28011

32.4107857°N, 104.5352631°W Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA, Inc. (Oxy), has prepared the following *Closure Request* to document the site assessment activities completed to date and propose a work plan to address impacted soil identified at the Old Ranch Canyon 7 Federal #001 (Site). The purpose of the site assessment activities was to delineate the vertical and lateral extent of impacted soil resulting from an historical release of produced water at the Site.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 07, Township 22 South, Range 24 East, in Eddy County, New Mexico (32.4107857°N, 104.5352631°W) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 10, 2004, there was a connection failure which resulted in the release of 290 barrels (bbls) of produced water onto and off the pad. Approximately 260 bbls of produced water was recovered via the use of vacuum trucks. Devon Energy Production Co. LP reported the release to the New Mexico Oil Conservation Division (NMOCD) on November 25, 2004 and the release was assigned Incident Number nMLB0432755192.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on NMOCD Portal of the Form C-141, Site Assessment/Characterization submitted on October 4, 2024. Potential site receptors are identified on **Figure 1** in **Appendix A**.

Depth to groundwater at the Site is less than 25 feet bgs based on the nearest groundwater well data. In 1998, a US Geological survey (USGS) permitted well (322448104322101) measured groundwater to a depth of 14 feet bgs located approximately 0.3 miles northwest of the Site and is depicted on **Figure 1** in **Appendix A**. The Well Record is included in **Appendix B**.

The closest continuously flowing or significant watercourse to the Site is a intermittent stream located approximately 551 feet southwest 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,

Oxy USA, Inc. Remediation Work Plan Old Ranch Canyon 7 Federal #001 March 17, 2025

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or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area).

Based on the results of the Site Characterization, the following NMOCD Table 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 AND DELINEATION ACTIVITIES

On October 14, 2024 and November 6, 2024, Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided on the C-141 and visual observations. Ensolum personnel collected 9 delineation soil samples (DS01 and DS09) outside the release extent from a depth of 0.25 feet bgs, 11 pothole soil samples from 5 loations (PH01 through PH05) within the release extent from depths varying from 0.5 foot to 4 feet bgs utilizing a backhoe to assess the vertical extent of the release, and 61 confirmation composite soil samples (CS01 through CS61) within the release extent from a depth of 0.25 feet bgs every 200 square feet. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID), and chloride using Hach® chloride QuanTab® test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on **Figure 2** (**Appendix A**). Photographic documentation was completed during the Site visit and a Photographic Log is included in **Appendix C**.

BACKGROUND

Ensolum submitted a Remediation Work Plan on January 9, 2025 that included the results of the assessment and delineation activities. NMOCD Accepted the Workplan and Extention request on January 23, 2025. Correspondence is recorded in **Appendix E.**

COMPOSITE SAMPLING, EXCAVATION ACTIVITIES, AND LABORATORY ANALYTICAL RESULTS

Between January 10, 2025, and February 28, 2025, Ensolum personnel returned to the Site to collect 5-point composite soil samples every 200 square feet from the excavation extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite excavation soil samples were collected from 61 locations from the excavation floor (FS01 through FS61) at depths ranging between 1 feet bgs to 7 feet bgs to confirm the absence of impacted soil. Composite sidewall excavation soil samples were collected from 10 locations from the excavation sidewalls (SW01 through SW10) at depths ranging from 0-1 to 0-7 feet bgs to confirm the lateral extent of the impacted soil. The soil samples were handled and analyzed following the same procedures as described above.

The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on **Figure 2** (**Appendix A**). Photographic documentation was completed during the Site visits and a photographic log is included as **Appendix C**.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported

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under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following chemical of concern (COC): chloride following United States Environmental Protection Agency (EPA) Method SM4500; TPH-GRO, TPH-DRO, and TPH-ORO following EPA Method 8015M/D; and BTEX following EPA Method 8021B.

Laboratory analytical results for final soil samples FS01 through FS61 indicated all COCs were compliant with the Site Closure Criteria. Laboratory analytical results for sidewall soil samples SW01 through SW10 indicated all COC concentrations were compliant with the most stringent Closure Criteria.

The excavation areas measured approximately 11,955 square feet. A total of 2,144 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land in Lea County, New Mexico.

The well pad will be undergoing plugging and abandonment activities, the excavation will be backfilled during the pad reclamation activities in accordance with 19.15.29.13 NMAC.

CLOSURE REQUEST

Site assessment and remediation activities were conducted at the Site to address the November 10, 2004, produced water release. Laboratory analytical results for the assessment and excavation activities indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the laboratory analytical results, no further remediation is required at this time. The excavation area will be backfilled during reclamation activities of the well pad in accordance with 19.15.29.13 NMAC.

Depth to groundwater was determined to be less than 25 feet bgs within 0.5 miles of the Site and is located within a high karst area, no other sensitive receptors were identified near the release extent. Oxy believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, Oxy respectfully requests closure for Incident Number nMLB0432755192.

If you have any questions or comments, please contact Ms. Samantha MacKenzie at (703) 357-3545 or smackenzie@ensolum.com.

Sincerely, **Ensolum, LLC**

Samantha MacKenzie Staff Geologist

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Beaux Jennings Associate Principal

cc: Wade Dittrich, Oxy USA, Inc.

New Mexico Bureau of Land Management

Appendices:

Appendix A Figures

Appendix B Supporting Documentation

Appendix C Photographic Log

Appendix D Table

Oxy USA, Inc. Remediation Work Plan Old Ranch Canyon 7 Federal #001 March 17, 2025

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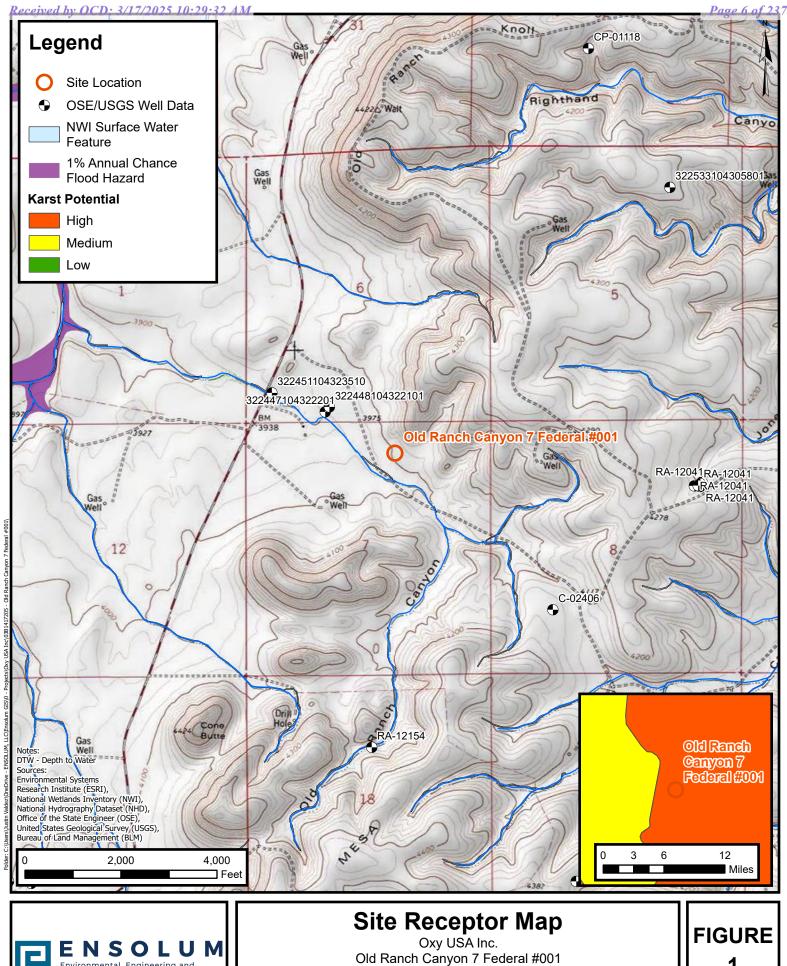
Appendix E NMOCD Correspondence

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



APPENDIX A

Figures

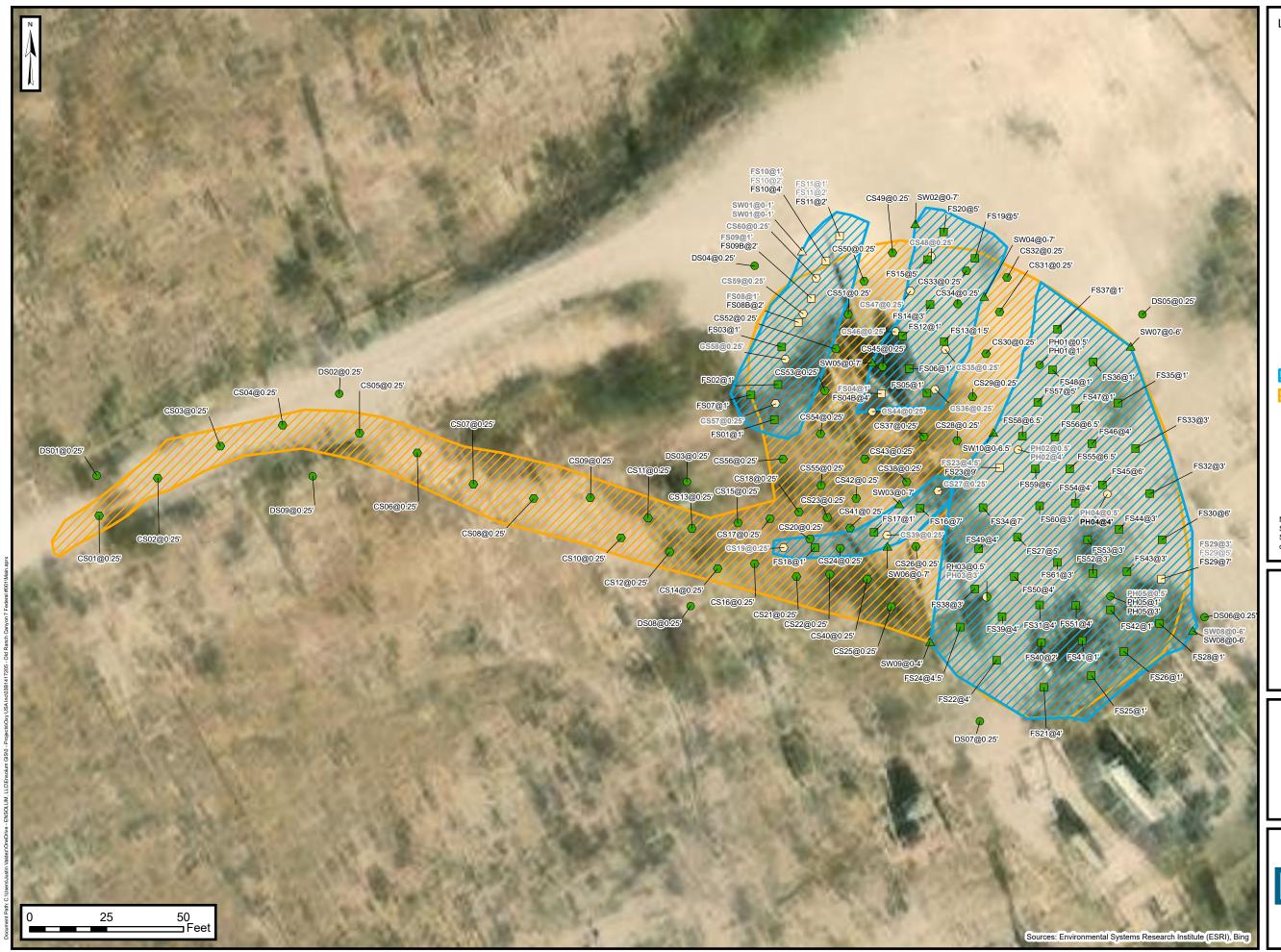


Environmental, Engineering and Hydrogeologic Consultants

Old Ranch Canyon 7 Federal #001 Incident Number: NMLB0432755192 Unit B, Section 07, T 22S, R 24E Eddy County, New Mexico

Released to Imaging: 6/11/2025 3:24:26 PM

Received by OCD: 3/17/2025 10:29:32 AM



Legend

- Confirmation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample in Compliance with Closure Criteria
- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in
 Compliance with Closure
 Criteria
- △ Excavation Sidewall Sample Removed
- Confirmation Sample Removed
- O Delineation Sample Removed
- Excavation Floor Sample Removed
- Delineation Sample Removed
- Excavation Extent
- Release Extent

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

Site Map

Oxy USA Inc.
Old Ranch Canyon 7 Federal #001
Incident Number: NMLB0432755192
Unit B, Section 07, T 22S, R 24E
Eddy County, New Mexico

FIGURE

2

Project Number: 03B1417205





APPENDIX B

Supporting Documentation

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

n

State of New Mexico
Energy Minerals and Natural Resource

Conservation Division

Dr.

Sult

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

		·		Sc	ania re	, MIVI 8/3	03					
10-015-				ease Notific	ation	and Co	rrective A	ction	<u> </u>			
MLBO	4327	55192	_			OPERA?	ΓOR			al Report		Final Repor
		Devon Energ		tion Co. LP	T		nnifer Van Cure	en	<u> </u>	ar report		T mai repor
); Artesia, N					No.: 505-748-0					
Facility Nai	me: Old R	anch Canyo	n 7 Fed 1			Facility Typ	e: Battery					
Surface Ow	mer			Mineral C)wner			·	Lease N			
						LOEDE			1 =			
Unit Letter	Section	Township	Donas	Feet from the		OF REI	Feet from the	Foot/S	West Line	Country		v
B	7	22S	Range 24E	660	North	South Line	1930	East	west Line	County Eddy		
		<u> </u>			<u> </u>				····	L		
			La	titude		Longitud	le ·					
				NAT	TIDE	OF RELI	FACE					
Type of Rele	ase: Water			INAI	UKE		Release: 290		Volume I	Recovered:	260	
Source of Re	lease: Vict	aulic connecti	on on 6" v	vater line			lour of Occurrence	e		Hour of Dis		7
		~: ~	···			11/10/04: 4			11/10/04:	4:30 am		
Was Immedi	ate Notice (Yes [No Not Re	eauired	If YES, To Mike Brate						
By Whom?	loe Huber						lour: 11/10/04: 7	·00 am				···.
Was a Water		ched?					lume Impacting t		ercourse.	·		
			Yes 🛚	No						RECE	=1\/E	D
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.*	•		<u> </u>					•	
								* - I		NÓV 1		•
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Describe Cau	se of Probl	em and Reme	dial Action	n Taken.*								
Victaulic con	nection on	6" water line	failed. Spi	lled 250 bbls PW	inside d	ike with 40 b	bls leaking thru d	ike and	traveling 3	00' off loca	tion. S	hut off flow.
Vacuumed u	p all contair	ned and puddle	ed water.	• •								
TD 11 A	A 66 . 1	1.01							····			
		and Cleanup A		ten.≁ n subject to mover	ment or v	vibration wea	ring away at clan	no surfa	ces. Plan to	cement nev	v nine	and counling
in place to pr	event move	ment. Waiting	g on furthe	r clean-up recom	mendatio	ons from the	BLM / OCD.	-p			, b.bc	and coupling
					•							
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to th	e best of my	knowledge and u	nderstar	nd that purs	uant to NM	OCD r	ules and
regulations al	Il operators or the envi	are required to	o report ar	nd/or file certain re se of a C-141 repo	elease no	otifications ar	nd perform correct	tive acti	ions for rela	eases which	may e	ndanger
should their o	perations h	ave failed to a	dequately	investigate and re	emediate	contamination	on that pose a thre	eat to gr	ound water	, surface wa	ter, hu	ıman health
or the enviror	nment. In a	ddition, NMC	CD accep	tance of a C-141	report do	es not relieve	e the operator of i	responsi	bility for co	ompliance w	ith an	y other
rederal, state,	or local lav	ws and/or regu	liations.				OIL CONS	CEDV	ATION	DIVICIO		
]	-/ //	10	7 \			OIL CONS	<u> </u>	ATION	DIVISIC	<u> </u>	
Signature	erran	ferVa	u (wen								
Printed Name	e: Jennifer	Van Curen			<i>A</i>	Approved by	District Superviso	or:				
	•											
Title: Produc	tion Field T	ech				Approval Dat	e:		Expiration 1	Date:		
E-mail Addre	ess: Jennife	r.vancuren@c	lvn.com			Conditions of	Approval:			A.		
										Attached		
Date: 11/15/0	1.01	+ TCN7	Ph	one: 748-0160								

Eddy County, New Mexico

Latitude 32°24'48", Longitude 104°32'21" NAD27
Land-surface elevation 3,966 feet above NAVD88
The depth of the well is 35 feet below land surface.
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
<u>Tab-separated data</u>
<u>Graph of data</u>
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	② Status	Method of \$\pi\ measurement	Measuring	Source of \$ measurement	Water-level \$ approval status
19	78-01-13		D	62610		3950.59	NGVD29	1	Z			А
19	78-01-13		D	62611		3952.36	NAVD88	1	Z			А
19	78-01-13		D	72019	13.64			1	Z			А
19	83-01-25		D	62610		3950.81	NGVD29	1	Z			А
19	83-01-25		D	62611		3952.58	NAVD88	1	Z			А
19	83-01-25		D	72019	13.42			1	Z			А
Date	\$	Time \$	Water-level date-time accuracy \$	Parameter code	feet					_	Source of measurement	Water-level A approval status \$ A
					Jamaee	datum	1					A
19	92-11-04		D	72019	13.30			1	S			А
19	98-01-30		D	62610		3950.25	NGVD29	1	S			А
19	98-01-30		D	62611		3952.02	NAVD88	1	S			А
19	98-01-30		D	72019	13.98			1	S			А

Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.



APPENDIX C

Photographic Log



Photographic Log

Oxy USA, Inc Old Ranch Canyon 7 Federal #001 Incident Number NMLB0432755192





Date: 8/29/2024 Photograph: 1

Description: Soil staining in release footprint

View: Northwest

Date: 8/29/2024 Photograph: 2

Description: Soil staining in release footprint

View: Southeast





Date:

1/8/2025

Photograph: 3

Description: Pothole activities

View: West

Photograph: 4

Description: Beginning of excavation

View: West

Date: 11/6/2024



Photographic Log

Oxy USA, Inc
Old Ranch Canyon 7 Federal #001
Incident Number NMLB0432755192





Photograph: 5 Date: 1/10/2025

Description: Excavation activites

View: North

Photograph: 6 Date: 2/18/2025

Description: Excavation activites

View: Northwest





Photograph: 7 Date: 2/28/2025

Description: Excavation activites

View: Southwest

Photograph: 8 Date: 2/28/2025

Description: Excavation activities

View: Southwest



APPENDIX D

Table

ENSOLUM

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
	Conservation D Soils Impacted b		10	NE	NE	NE	50	NE	NE	NE	100	600
					Delineation Soil S	ample Analytic	al Results					
DS01	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS02	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS03	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
DS04	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS05	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
DS06	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
DS07	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
DS08	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
DS09	11/06/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
					Pothole Soil Sai		1	T	T	T	T	
PH01	11/06/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
	11/06/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
PH02	11/06/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	896
	11/06/2024	4	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	672
PH03	11/06/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
	11/06/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,020
PH04	11/06/2024 11/06/2024	0.5 4	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	33,200 1,920
	11/06/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,570
PH05	11/06/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
FHOS	11/06/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
	11/00/2024	3	<u> </u>		confirmation Soil			~10.0	~10.0	~10.0	\10.0	432
CS01	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
CS02	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS03	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS04	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS05	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS06	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS07	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS08	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS09	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS10	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS11	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS12	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
	Conservation D Soils Impacted b		10	NE	NE	NE	50	NE	NE	NE	100	600
CS13	10/14/2024	0.25	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS14	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS15	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS16	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS17	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS18	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS19	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.5	91.5	109	<16.0
CS20	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	36.8	36.8	<16.0
CS21	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS22	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS23	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS24	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.3	40.2	96.5	32.0
CS25	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS26	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
CS27	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,000
CS28	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
CS29	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
CS30	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
CS31	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
CS32	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
CS33	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
CS34	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
CS35	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,200
CS36	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	108	351	459	32.0
CS37	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	18.0	18.0	16.0
CS38	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	544
CS39	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.9	130	159	784
CS40	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS41	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS42	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS43	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	14.3	14.3	144

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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
	Conservation D Soils Impacted b	Division Closure by a Release	10	NE	NE	NE	50	NE	NE	NE	100	600
CS44	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	160	555	715	16.0
CS45	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	41.0	41.0	16.0
CS46	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.9	53.0	68.9	3,600
CS47	10/14/2024	0.25	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,000
CS48	10/14/2024	0.25	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	266	230	496	160
CS49	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS50	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS51	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
CS52	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.6	31.4	51.0	32.0
CS53	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.9	22.0	66.9	48.0
CS54	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS55	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.9	27.7	61.6	<16.0
CS56	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS57	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	78.4	48.2	127	32.0
CS58	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	314	178	492	<16.0
CS59	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	363	179	542	64.0
CS60	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	822	266	1,088	288
CS61	10/14/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
	Conservation D Soils Impacted b	Division Closure by a Release	10	NE	NE	NE	50	NE	NE	NE	100	600
					Excavation Soil S	ample Analytic	al Results					
FS01	01/10/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS02	01/10/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS03	01/10/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS04	01/10/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	81.3	71.5	153	32.0
F304	02/17/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS05	01/10/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS06	01/10/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS07	01/28/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
FC00	01/28/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	396	176	572	32.0
FS08	02/17/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
F000	01/28/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	774	291	1,065	128
FS09	02/17/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
	01/28/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.1	14.3	58.4	96.0
FS10	02/11/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160.0
	02/17/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
	01/28/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.1	<10.0	11.1	32.0
FS11	02/11/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	02/17/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.4	18.9	29.3	32.0
FS12	01/28/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
FS13	01/28/2025	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
FS14	01/28/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	576
FS15	01/29/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
FS16	01/29/2025	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
FS17	01/28/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS18	01/28/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS19	01/29/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
FS20	01/29/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS21	02/12/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
FS22	02/12/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528
FS23	01/31/2025	4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	608

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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
	Conservation D Soils Impacted b		10	NE	NE	NE	50	NE	NE	NE	100	600
1 020	02/17/2025	9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
FS24	02/28/2025	4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
FS25	01/29/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS26	01/29/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS27	01/31/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
FS28	01/29/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
	01/31/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688
FS29	02/12/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
	02/17/2025	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS30	02/11/2025	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528
FS31	01/31/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
FS32	01/30/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
FS33	01/31/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS34	01/30/2025	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
FS35	01/30/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
FS36	01/30/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
FS37	01/30/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
FS38	01/30/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
FS39	01/31/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
FS40	01/30/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
FS41	01/30/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS42	01/30/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
FS43	01/30/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
FS44	01/30/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
FS45	02/11/2025	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
FS46	01/31/2025	4	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
FS47	01/30/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
FS48	01/30/2025	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
FS49	01/31/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
FS50	01/31/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS51	01/31/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208



Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
	Conservation D Soils Impacted b	Division Closure by a Release	10	NE	NE	NE	50	NE	NE	NE	100	600
FS52	01/30/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
FS53	01/30/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
FS54	01/31/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
FS55	02/12/2025	6.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
FS56	02/12/2025	6.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
FS57	01/31/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	512
FS58	02/12/2025	6.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
FS59	02/11/2025	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	512
FS60	01/30/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	512
FS61	01/30/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400

E NSOLUM

TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** Old Ranch Canyon 7 Federal #001 Oxy USA, Inc.

Eddy County, New Mexico Ensolum Project No. 03B1417205

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Criteria for	Conservation D Soils Impacted b		10	NE	NE	NE	50	NE	NE	NE	100	600
					Sidewall Soil Sa	mple Analytica	Results					
	01/28/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	366	115	481	16.0
SW01	02/17/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	386	48.6	435	48.0
	02/28/2025	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SW02	01/29/2025	0 - 7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.8	<10.0	15.8	320
SW03	01/31/2025	0 - 7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
SW04	01/29/2025	0 - 7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
SW05	01/29/2025	0 - 7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
SW06	01/31/2025	0 - 7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
SW07	02/12/2025	0 - 6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
SW08	02/12/2025	0-6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	640
37700	02/28/2025	0 - 6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592
SW09	02/28/2025	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592
SW10	02/12/2025	0 - 6.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384

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

represents samples that have been excavated and or resampled

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

NE: Not Established

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

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



APPENDIX E

NMOCD Correspondence

From: <u>Dittrich, John W</u>

To: <u>Kelly Lowery</u>; <u>Hadlie Green</u>

Cc: <u>Samantha MacKenzie</u>; <u>Georgiana McSwane</u>; <u>Beaux Jennings</u>

Subject: Fw: The Oil Conservation Division (OCD) has approved the application, Application ID: 419088

Date: Thursday, January 23, 2025 11:22:43 AM

[**EXTERNAL EMAIL**]

Old Ranch Canyon 7 Fed. 01--11/10/2004

Wade Dittrich

Environmental Advisor

New Mexico 575-390-2828

wade_dittrich@oxy.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Thursday, January 23, 2025 10:00 AM **To:** Dittrich, John W <wade_dittrich@oxy.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application

ID: 419088

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

To whom it may concern (c/o Wade Dittrich for OXY USA INC), The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nMLB0432755192, with the following conditions:

• Remediation plan is approved as written except with the following conditions; 1. OXY must complete the excavation and removal of impacted soils until confirmation samples collected from the bottom and sidewalls of the excavation report NMOCD Closure Criteria per 19.15.29.12 NMAC has been achieved. 2. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, OXY must collect a minimum of one (1) 5pcs from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface. 3. OXY has 90-days (April 23, 2025) to submit to OCD its appropriate or final remediation closure report.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me. Thank you,
Nelson Velez

Environmental Specialist - Advanced 505-469-6146
Nelson.Velez@emnrd.nm.gov
New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive
Santa Fe, NM 87505

ENSOLUM

APPENDIX F

Laboratory Analytical Reports &

Chain-of-Custody Documentation



October 21, 2024

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD CANYON RANCH 7 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 10/15/24 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: OXY

Sample ID: CS 01 0.25' (H246256-01)

DTEV 0021D

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	64.0	16.0	10/16/2024	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	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.6	% 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: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: OXY

Sample ID: CS 02 0.25' (H246256-02)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 % 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	32.0	16.0	10/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.0	% 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: 10/15/2024 Reported:

Sampling Date:

10/14/2024

Project Name:

10/21/2024

Sampling Type:

Soil

BTEX 8021B

OLD CANYON RANCH 7 FEDERAL #001

Sampling Condition:

Cool & Intact

Project Number:

03B1417205

Sample Received By:

Tamara Oldaker

Project Location: OXY

Sample ID: CS 03 0.25' (H246256-03)

DILX GOZID	ilig/ kg		Allulyzo	Allulyzed by: 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 % 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	10/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.6	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 04 0.25' (H246256-04)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS G	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	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	10/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.4	% 49.1-14	8						

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Celey D. Keine



10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 05 0.25' (H246256-05)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS %	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	10/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	8						

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Celey D. Keene



10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type: Soil
Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Coo

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 06 0.25' (H246256-06)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	10/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 07 0.25' (H246256-07)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	10/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.5	% 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: 10/15/2024 Reported:

10/21/2024 Project Name: OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS 08 0.25' (H246256-08)

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	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 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	10/16/2024	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	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.7	% 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: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: OXY

Sample ID: CS 09 0.25' (H246256-09)

BTEX 8021B

DILX GOZID	mg/ kg		Allulyzo	Analyzea by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 % 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	32.0	16.0	10/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	72.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	57.5	% 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: 10/15/2024

Reported: 10/21/2024
Project Name: OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 10 0.25' (H246256-10)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	10/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.0	% 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: 10/15/2024 Reported:

10/21/2024

Sampling Date: 10/14/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Project Number: 03B1417205

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 11 0.25' (H246256-11)

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	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	10/16/2024	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	10/16/2024	ND	192	96.1	200	2.34	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	18						

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Analytical Results For:

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

 Received:
 10/15/2024
 Sampling Date:
 10/14/2024

 Reported:
 10/21/2024
 Sampling Type:
 Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 12 0.25' (H246256-12)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	10/16/2024	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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	8						

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10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 13 0.25' (H246256-13)

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	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	10/16/2024	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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 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: 10/15/2024 Reported:

Sampling Date: 10/14/2024 Sampling Type:

Soil

Project Name:

OLD CANYON RANCH 7 FEDERAL #001

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

BTEX 8021B

03B1417205

10/21/2024

Project Location: OXY

Sample ID: CS 14 0.25' (H246256-14)

DILX GOZID	ıııg,	, kg	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	10/16/2024	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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

Analyzed By: JH

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10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Reported:

Sampling Type: Soil 10/21/2024

Sampling Date:

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417205 Tamara Oldaker

Project Location: OXY

Sample ID: CS 15 0.25' (H246256-15)

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	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 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: 10/15/2024 Reported:

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: Project Number: 03B1417205

Project Location: OXY Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS 16 0.25' (H246256-16)

BTEX 8021B	mg,	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	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	<16.0	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 17 0.25' (H246256-17)

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	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	< 0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 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: 10/15/2024

Sampling Date:

10/14/2024

Reported: Project Name: 10/21/2024

Sampling Type:

Soil

Project Number

OLD CANYON RANCH 7 FEDERAL #001

Sampling Condition:

Cool & Intact

Project Number:

BTEX 8021B

03B1417205

Sample Received By:

Tamara Oldaker

Project Location: OXY

Sample ID: CS 18 0.25' (H246256-18)

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	32.0	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/15/2024 Reported: 10/21/2024

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 19 0.25' (H246256-19)

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	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	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	<16.0	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	17.5	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	91.5	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

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Celeg D. Frene



Analytical Results For:

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

Received: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 20 0.25' (H246256-20)

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	10/17/2024	ND	2.05	102	2.00	4.84	
Toluene*	<0.050	0.050	10/17/2024	ND	2.13	106	2.00	4.45	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.54	109	6.00	5.94	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	36.8	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	77.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 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: 10/15/2024 Sampling Date: Sampling Type:

10/14/2024 Soil

Reported: Project Name: 10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Sampling Condition:

Cool & Intact

Project Number:

03B1417205

Sample Received By:

Tamara Oldaker

Project Location:

OXY

Sample ID: CS 21 0.25' (H246256-21)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 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: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 22 0.25' (H246256-22)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	< 0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	68.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.4	% 49.1-14	8						

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10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: Sampling Type: Soil 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03B1417205

Project Location: OXY

Sample ID: CS 23 0.25' (H246256-23)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 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	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	82.1	% 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: 10/15/2024

Reported: 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: CS 24 0.25' (H246256-24)

BTEX 8021B	mg/	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	32.0	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	56.3	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	40.2	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

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Celey D. Keene



10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: OXY

Sample ID: CS 25 0.25' (H246256-25)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 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	32.0	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 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: 10/15/2024 Reported:

10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: CS 26 0.25' (H246256-26)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 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	288	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

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

Received: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 27 0.25' (H246256-27)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	4000	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 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: 10/15/2024 Reported:

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: Project Number: 03B1417205

Project Location: OXY Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: CS 28 0.25' (H246256-28)

BTEX 8021B	mg,	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	416	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 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: 10/15/2024 Sampling Date: 10/14/2024

Reported: Sampling Type: Soil 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03B1417205

Project Location: OXY

Sample ID: CS 29 0.25' (H246256-29)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	432	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	77.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.4	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON
Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 30 0.25' (H246256-30)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 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	352	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/15/2024 Reported: 10/21/2024

10/21/2024 Sar

Project Name: OLD CANYON RANCH 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 31 0.25' (H246256-31)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	112	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/17/2024	ND	205	103	200	5.00	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	208	104	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/15/2024 Sampling Date: 10/14/2024

Reported: Sampling Type: Soil 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03B1417205 Sample Received By:

Project Location: OXY

Sample ID: CS 32 0.25' (H246256-32)

BTEX 8021B	mg,	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	74.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.1	% 49.1-14	8						

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10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 33 0.25' (H246256-33)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	368	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 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: 10/15/2024

Sampling Date:

10/14/2024

Reported: Project Name:

10/21/2024

Sampling Type:

Soil Cool & Intact

Project Number:

BTEX 8021B

OLD CANYON RANCH 7 FEDERAL #001 03B1417205

Sampling Condition: Sample Received By:

Tamara Oldaker

Project Location:

OXY

Sample ID: CS 34 0.25' (H246256-34)

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	112	16.0	10/16/2024	ND	416	104	400	3.77	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY

Sample ID: CS 35 0.25' (H246256-35)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	1200	16.0	10/16/2024	ND	400	100	400	3.92	QM-07
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024 Sampling Type:

Sampling Date:

Project Name: OLD CANYON RANCH 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

10/14/2024

Soil

Sample ID: CS 36 0.25' (H246256-36)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	32.0	16.0	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	108	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	351	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celeg D. Freene



Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

10/14/2024

Reported: Project Name: 10/21/2024

Sampling Type:

Soil Cool & Intact

OLD CANYON RANCH 7 FEDERAL #001

Sampling Condition:

Project Number:

03B1417205

Sample Received By:

Tamara Oldaker

Project Location: OXY

Sample ID: CS 37 0.25' (H246256-37)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 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	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	18.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: OXY

Sample ID: CS 38 0.25' (H246256-38)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	544	16.0	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 39 0.25' (H246256-39)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	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	784	16.0	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	28.9	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	130	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

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10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: Sampling Type: Soil 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417205 Tamara Oldaker

Project Location: OXY

Sample ID: CS 40 0.25' (H246256-40)

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	10/17/2024	ND	2.20	110	2.00	3.74	
Toluene*	<0.050	0.050	10/17/2024	ND	2.08	104	2.00	6.30	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.09	104	2.00	8.68	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.21	104	6.00	8.92	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 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: 10/15/2024 Reported: 10/21/2024 Sampling Date: 10/14/2024 Sampling Type: Soil

Project Name:

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Sampling Condition: Cool & Intact

Project Number:

03B1417205

Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 41 0.25' (H246256-41)

Analyte F									
Allalyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene* <	<0.050	0.050	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene* <	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX <	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 %	6 71.5-134	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte F	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte F	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	99.8 9	% 48.2-134	4						
Surrogate: 1-Chlorooctadecane	94.0 9	% 49.1-148	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: 10/15/2024 Reported: 10/21/2024

OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 42 0.25' (H246256-42)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	< 0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	72.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.2	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 43 0.25' (H246256-43)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	144	16.0	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	14.3	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.6	% 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: 10/15/2024

Reported: 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Project Number: 03B1417205

Project Location: OXY Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: CS 44 0.25' (H246256-44)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	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	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	160	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	555	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.4	% 49.1-14	8						

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10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: Sampling Type: Soil 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03B1417205

Project Location: OXY

Sample ID: CS 45 0.25' (H246256-45)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 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	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	41.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 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: 10/15/2024 Sampling Date: 10/14/2024

Reported: Sampling Type: Soil 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03B1417205

Project Location: OXY

Sample ID: CS 46 0.25' (H246256-46)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	15.9	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	53.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 47 0.25' (H246256-47)

RTFY 8021R

B1EX 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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	4000	16.0	10/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 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: 10/15/2024 Reported: 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 48 0.25' (H246256-48)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/16/2024	ND	400	100	400	3.92	
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	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	266	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	230	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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10/14/2024

Tamara Oldaker

Analytical Results For:

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

Received: 10/15/2024 Reported: 10/21/2024

10/21/2024 Sampling Type: Soil
OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: OLD CANYON
Project Number: 03B1417205

Project Location: OXY

Sample ID: CS 49 0.25' (H246256-49)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	10/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	77.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.3	% 49.1-14	18						

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Analytical Results For:

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

Received: 10/15/2024 Reported: 10/21/2024

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 50 0.25' (H246256-50)

BTEX 8021B

DILX OUZID	11197	ng .	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					
Surrogate: 1-Chlorooctane	77.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.2	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/15/2024 Reported:

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: Project Number: 03B1417205

Project Location: OXY Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

Sample ID: CS 51 0.25' (H246256-51)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	10/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2024	ND	229	114	200	2.86	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	207	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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10/14/2024

Soil

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type:

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 52 0.25' (H246256-52)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	32.0	16.0	10/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	19.6	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	31.4	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.1	% 49.1-14	8						

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10/14/2024

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

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

Received: 10/15/2024 Reported: 10/21/2024

10/21/2024 Sampling Type:
OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition:

Sampling Date:

Sample Received By:

Project Name: OLD CANYON RANCH 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY

Sample ID: CS 53 0.25' (H246256-53)

Analyte	mg/	mg/kg		Analyzed By: JH					
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	< 0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID	103 %	71.5-134
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Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	44.9	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	22.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134
Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY

Sample ID: CS 54 0.25' (H246256-54)

RTFY 8021R

B1EX 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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.2	% 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: 10/15/2024

Reported: 10/21/2024
Project Name: OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 55 0.25' (H246256-55)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	10/16/2024	ND	432	108	400	3.77	
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	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	33.9	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	27.7	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.7	% 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: 10/15/2024 Sampling Date: 10/14/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 56 0.25' (H246256-56)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	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	10/16/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.0	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 57 0.25' (H246256-57)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	32.0	16.0	10/16/2024	ND	432	108	400	3.77	
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	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	78.4	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	48.2	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	73.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.9	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY

Sampling Date: 10/14/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 58 0.25' (H246256-58)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	10/16/2024	ND	432	108	400	3.77	
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	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	314	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	178	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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10/14/2024

Analytical Results For:

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

Received: 10/15/2024 Sampling Date:

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 59 0.25' (H246256-59)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 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	64.0	16.0	10/16/2024	ND	432	108	400	3.77	
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	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	363	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	179	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.9	% 49.1-14	8						

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Celey D. Kreine



Analytical Results For:

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

Received: 10/15/2024 Sampling Date: 10/14/2024

Reported: Sampling Type: Soil 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: CS 60 0.25' (H246256-60)

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	10/17/2024	ND	2.07	103	2.00	3.76	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	8.94	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.29	114	2.00	12.2	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.91	115	6.00	13.9	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	288	16.0	10/16/2024	ND	432	108	400	3.77	
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	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	822	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	266	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

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

Received: 10/15/2024 Sampling Date: 10/14/2024

Reported: Sampling Type: Soil 10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03B1417205

Project Location: OXY

Sample ID: CS 61 0.25' (H246256-61)

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	10/17/2024	ND	2.11	106	2.00	3.19	
Toluene*	<0.050	0.050	10/17/2024	ND	2.16	108	2.00	3.17	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.18	109	2.00	3.45	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.49	108	6.00	3.46	
Total BTEX	<0.300	0.300	10/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	32.0	16.0	10/16/2024	ND	432	108	400	3.77	
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	10/16/2024	ND	182	90.8	200	0.143	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	190	94.8	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam	Endoluli, EEO											BI	ILL TO						ΔN	ΔΙ ۷	212	REQU	IECT		
Project Manag									P	.0.	STREET, SQUARE,				T	T	T	T	T	T	1010	(EQU	E31	_	
	1 N. Marienfeld St. STE	400				C	omi	oanv	: (Oxy USA,	Inc.	1													
City: Midland		State: TX	Zip):	7970	01							Dittrich		1										
Phone #: 703-	357-3545	Fax #:							1		ess:				1										
Project #: 03B	1417205	Project Owner								ity:	,555.				-										
Project Name:	Old Canyon Ranch 7		_							•					1										
Project Location									1	ate:			Zip:		-	1									
Sampler Name:		ada						*		none		5	75-390-28	328	1					100					
FOR LAB USE ONLY	radia dilili	aua				B/I	ATRI	~	Fa	X #:		2.1			1										-
		1 1	₫.	П	Т		AIRL	1		PR	ESER	₹V.	SAM	PLING	-		4500CI								
Lab I.D.	Sample I.D.	27	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 45(Hold							
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9	cs 0b											1		1314							-	+-	-		
7	cs 07											1		1314	H						-	+-	_		
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alyses. All claims including	Damages. Cardinal's liability and clier those for negligence and any other co	nt's exclusive remedy for any o	laim a	rising w	hether	based	in conti	ract or	tort, s	shall be	e limited	to th	ne amount paid i	1316	4	Y	V								

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By: Relinquished By:	18-15-24 Receiv	ardies of whether such claim is based upon any of the above stated in ived By:	Verbal Result: ☐ Yes X No Add'l Phone #: All Results are emailed. Please provide Email address: smackenzie@ensolum.com REMARKS:	
Delivered By: (Circle One)	Doserved Temp. °C , 2	Sample Condition CHECKED BY:	Turnaround Times Of the 1 1 100	
Sampler - UPS - Bus - Other:	Corrected Temp. °C_1.9	Cool Intact (Initials)	Turnaround Time: Standard Bacteria (onl Thermometer ID #113 #140 Cool Intact Yes Yes Yes Yes No No No No	
	† Cardinal cannot ac	ccont verbal changes Di-	THE THE	Corrected Terrip. C

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Page 65 of 70



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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	er: Samantha MacKe								P	.0.	#:				П		T	T	T	T	T		T		
	1 N. Marienfeld St. STE	400							C	omp	pany:	Oxy US/	, Inc.		1										
City: Midland		State: TX	Zi	p:	797	701						e Dittrich			1										
Phone #: 703-	357-3545	Fax #:							1		ess:														
Project #: 03B	1417205	Project Owne	r:							ity:															
Project Name:	Old Canyon Ranch 7 F								1	•		7:		\dashv											
Project Location										ate:		Zip: 575-390-2	1000	-											
Sampler Name:		ada								none		373-390-	028	-											
FOR LAB USE ONLY	Tuora orinina	1		Т	_	M	ATR	IV	Fa	X#:	ESERV		ADI INO	\dashv											
		1	₫.	ı				1	T	PK	ESERV	. SA	MPLING	-1			000								
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	DATE	ТІМІ		BTEX 8021B	TPH 8015M	Chloride 4500Cl	Hold							
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whatsoever shall be deemed the contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By: Koron Shimach Relinquished By:	Date: Received Time:	Tawara d	1111.	Verbal Result: Yes No All Results are emailed. Please provide smackenzie@ensolum.com	Add'l Phone #: de Email address:
Semalar UDO B	beerved Temp. °C //3	Sample Condition Cool Intact Pes Yes No No	(Initials)	Turnaround Time: Standard [Rush Thermometer ID ##13 ##140 Correction Factor 0.66	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C □ Yes □ Yes □ No □ No Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam	Endolam, ELO								T			BI	ILL TO						ANIAI	Vei	c D	FOU	FOT			
Project Manage									P	2.0.					Т	Т	Т		ANA	LTSI	5 K	EQUE	-81	_		_
Address: 601	1 N. Marienfeld St. STE	400							c	omi	nany	r	Oxy USA,	Inc	1											
City: Midland		State: TX	Zi	p:	79	701							Dittrich	IIIO.	1											
Phone #: 703-	357-3545	Fax #:									ess:		Citaton		-											
Project #: 03B	1417205	Project Owne	r.								ess.				-											
Project Name:	Old Canyon Ranch 7 I									ity:					-											
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Sampler Name:		ada							1	hon		5	75-390-28	28	-											
FOR LAB USE ONLY	radia dililia	aua	Т	_		R/	IATR	IV	Fa	ax #:		211	-		1											-
-			₫.	ı	H		IAIK	1	T	PR	ESE	RV.	SAM	PLING	-		4500CI									- 1
Lab I.D. 4246256 21 23 23 24 25 26	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 450	Hold								
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EASE NOTE: Liability and	Damages. Cardinal's liability and clien those for negligence and any other ca	nt's exclusive remedy for		V		1				1	V		V		V	1	V					1				1
lyses. All claims including	those for negligence and any other ca	use whateours shall be de-	cialm :	arising	wneth	er base	d in con	tract o	r tort,	shall b	e limite	d to th	he amount paid !	by the client for the	he											J

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Date of successors arising out of or related to the perform	mance of services herounder by Cardinal		ace, or loss of profits incurred by	client, its subsidiaries,	
Relinquished By:		dless of whether such claim is base	ed upon any of the above stated re	easons or otherwise	
Relinquished By:	Date: Receiv	allaria da	11111	W-1-1-	d'I Phone #: Email address:
	Time:				
Delivered By: (Circle One)	Observed Temp. °C /2	Sample Condition	CHECKED BY:	Turnaround Time: Standard IX	
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.9	Cool Intact Yes Yes No No	(Initials)	Thermometer ID ##19 # 10 Correction Factor - 0.60	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes
	+ Cardinal cannot as				No No Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam	Erisolalli, EEG						B	RILL	TO						ANA	LYS	IS R	EQUI	EST							
Project Manage					P.	0. ‡	NAME AND ADDRESS OF THE OWNER, WHEN				T	T	T	T	T	T	T	LQUI				_				
	N. Marienfeld St. STE	400							C	omp	any:	Оху	USA,	Inc.	1	1										
City: Midland		State: TX	Zij	o:	797	01					Wad	_			1											
Phone #: 703-	357-3545	Fax #:								ldre					1											
Project #: 03B1	1417205	Project Owner	:							ty:	33.				1											
Project Name:	Old Canyon Ranch 7 I									-		-			-			1								
Project Location										ate:		Zip		200	-		1									
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FOR LAB USE ONLY	Tuora orinin					M	ATRI	Y	_	X #:	ESERV	, [CARR	PLING	1											
		1 1	T	1	П	PK	SERV		SAMI	PLING	-		4500CI													
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	D	ATE	TIME	BTEX 8021B	TPH 8015M	Chloride 450	Hold								
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ding those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By: Corr Sharp on the related to the performance of services hereunder by Cardinal, regardle Date: Received Corr Sharp on the related to the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder by Cardinal, regardle Corr Sharp on the performance of services hereunder Corr Sharp on the performance	ayara Aldaker	Verbal Result: Yes X No Add'l Phone #: All Results are emailed. Please provide Email address: smackenzie@ensolum.com REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Corrected Temp. °C 1.3 Corrected Temp. °C 1.9	Cool Intact (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes Yes Yes No No Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam Project Manage											1	8/	LL TO						ANA	ALYS	SIS F	REQU	FST			_
									P	.O. #	# :				T	T	T	T	T	T	1	1200	T	Т	T	Т
	N. Marienfeld St. STE	400							C	omp	any:	: (Oxy USA,	Inc.	1											
City: Midland		State: TX	Zi	p:	797	701							Dittrich		1											
Phone #: 703-	357-3545	Fax #:								ddre					1											
Project #: 03B	1417205	Project Owner	r:							ity:	33.				1		1									
Project Name:	Old Canyon Ranch 7		-							•					-											
Project Location		ouorar moor								ate:			Zip:	00	-											
Sampler Name:		ada							1	none		3/	75-390-28	28	-											
FOR LAB USE ONLY	raora Silini	aua	_	_	_		IATRI	· ·	Fa	x #:		777			1											
			۵.	ı	\vdash	IN	AIR	X		PRI	ESER	V.	SAM	PLING	-		4500CI									
Lab I.D. H246256 41 42	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	CE / COOL	OINER:	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 450	Hold								
41	cs 41	0.25	С	1		,					v	1	10-14-2024		./	./	./			-	+	+-	_	\vdash		\vdash
42	CS 47	(1	1			1				1	+	1	1403	IV.	V	Y		-	-	-	-				
40	cs 43											1		14119					-		-	+-		\vdash		_
44	cs 44											1		1410			-			-	-	-	\vdash			
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44	cs 46			П								+		1413	H	-	-H			-	-	-				
47	CS 47			П					1			+			\vdash	+	-H	_			-	-				
48	CS 48		Ħ						1			+		1414	\vdash	+	-H					-				
49	cs 49		H						1			+		1416	H	+	-									
50	CS 50		1		+	1			1			+		1425		+	1									
EASE NOTE: Liability and	Damages. Cardinal's liability and clier	nt's exclusive remedy for any	claim	arising	wheth	er hase	d in con	tract or	tort o	thall be	lim it a d	_	Y	1427	V	Y	A									

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By: Kachu Shimada Relinquished By:	Date: Receiv Date: Receiv Time: 345 Date: Receiv	red By:	ldatok	asons or otherwise. Verbal Result: Yes No Add All Results are emailed. Please provide E smackenzie@ensolum.com REMARKS:	l'I Phone #: mail address:
Samples UDO D	rected Temp. °C 1.3	Sample Condition Cool Intact Yes Yes	(Initials)	Turnaround Time: Standard Rush Thermometer ID #113 #140 E	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

Received by OCD: 3/17/2025 10:29:32

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Project Manag									P	.0.					T	T	T	T	TAIN	T	JIS F	REQU	E51	T .	
	N. Marienfeld St. STE	400							c	om	pany	/ :	Oxy USA	Inc	1										
City: Midland		State: TX	Zip):	7970	01					-		Dittrich	,	1										
Phone #: 703-	357-3545	Fax #:									ess:				1				1						
Project #: 03B	1417205	Project Owner		×						ity:					-										
Project Name:	Old Canyon Ranch 7 F									tate:			7:		-										
Project Location													Zip: 75-390-2	020	-										
Sampler Name:	Kaoru Shima	ada							1		e #:	-	75-550-2	020	-				1						
FOR LAB USE ONLY						MA	ATRI	X	ra	PR	ESE	RV/	SAR	IPLING	4		_								
Lab I.D. 1/24/256 57 52 53 64 55	Sample I.D.	Sample Depth (feet)	O (G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER		OIL	SLUDGE	OTHER:	ACID/BASE:		OTHER:	DATE 10-14-2024	TIME	BTEX 8021B	TPH 8015M	Chloride 4500CI	Hold							
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60	CS 60	1	II.			1			1			+		1441	H										
EASE NOTE: Liability and alvses. All claims, including	Damages. Cardinal's liability and clien those for negligence and any other ca	t's exclusive remedy for any c	laim a	rising w	hether	based	in cont	tract or	tort, s	shall b	e limite	ed to th	ne amount paid	1470	V	X	4								

PLEASE NOTE: Luabinty and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By: Kaory Shimola Relinquished By:	D	red By:	00111	Verbal Result:	dd'l Phone #: Email address:
Sampley UDO D	corrected Temp. °C/. 3	Sample Condition Cool Intact Yes Yes No No	(Initials)	Turnaround Time: Standard X Thermometer ID #110 #100 Correction Factor 2000 C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

Received by OCD: 3/17/2025 10:29:32

Page 70 of 70



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Lindolalli, LLC										E	3//	LL TO	-4-15					ANAL Y	SIS F	REOUE	TP		
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								C	omp	any:	0	xy USA,	Inc.	7		1							
	State: TX	Zip): 7	7970	01									1									
	Fax #:							A	ddre	ss:				1									
1417205	Project Owner	:						Ci	tv:					1									
Old Canyon Ranch 7 F	ederal #001										7	7in:		1									
on:										4.		•	28	1								1	
: Kaoru Shima	ada							1			-	0 000 20	20	1									
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Sample I.D.	Sample Depth (feet)	(G)RAB OR	# CONTAINERS	GROUNDWATER	VASTEWATER ✓ SOIL		SLUDGE	OTHER:			10	DATE 0-14-2024	TIME	BTEX 8021B	TPH 8015M	Chloride 450	Hold						
CS CS CS CS CS CS														V	<	V				C	14	<i>f</i>	
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Relinquished By: Known Shing day Relinquished By:	Date: 15-24 Receive	ed By:	11111	client, its subsidiaries, assons or otherwise. Verbal Result: Yes No all Results are emailed. Please provi smackenzie@ensolum.com REMARKS:	Add'l Phone #: ide Email address:
Delivered B	Time:				
Sampler LIDS D	Corrected Temp. °C 1.3	Sample Condition Cool Intact Yes Yes No No	(Initials)	Turnaround Time: Standard Rush Thermometer ID #415 #140 Correction Factor 9550 -0,66	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes
	† Cardinal cannot acc	cept verbal change		age to color know 2	No No Corrected Temp. °C



November 12, 2024

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD CANYON RANCH 7 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 11/06/24 15:35.

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

Cardinal Laboratories is 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: 11/06/2024

Sampling Date: 11/06/2024

Reported: 11/12/2024
Project Name: OLD CANYON RANCH 7 FEDERAL #001

Sampling Type: Soil

Project Name: OLD CANYON Project Number: 03B1417205

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY CO., NM

Sample ID: DS 01 0.25' (H246775-01)

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	11/09/2024	ND	2.19	109	2.00	10.6	
Toluene*	<0.050	0.050	11/09/2024	ND	2.17	109	2.00	10.1	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.29	114	2.00	9.85	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.89	115	6.00	10.1	
Total BTEX	<0.300	0.300	11/09/2024	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	<16.0	16.0	11/08/2024	ND	400	100	400	3.92	
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	11/07/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

A I J D. ... 711

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Celey D. Keine



Analytical Results For:

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

Received: 11/06/2024 Sampling Date: 11/06/2024

Reported: 11/12/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY - EDDY CO., NM

Sample ID: DS 02 0.25' (H246775-02)

RTFY 8021R

Analyte Benzene* Toluene* Ethylbenzene* Total Xylenes*	Result <0.050 <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 11/09/2024	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Toluene* Ethylbenzene*	<0.050		11/09/2024	ND					
Ethylbenzene*		0.050			1.67	83.7	2.00	21.5	
,	<0.0E0		11/09/2024	ND	1.75	87.3	2.00	17.0	
Total Xvlenes*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PII	103 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	11/08/2024	ND	400	100	400	3.92	
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	11/07/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						
DRO >C10-C28* EXT DRO >C28-C36 Surrogate: 1-Chlorooctane	<10.0 <10.0	10.0 10.0 % 48.2-13	11/07/2024 11/07/2024	ND					

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Celey & Keene



Analytical Results For:

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

Received: 11/06/2024 Sampling Date: 11/06/2024

Reported: 11/12/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY CO., NM

Sample ID: DS 03 0.25' (H246775-03)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/08/2024	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	11/07/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 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: 11/06/2024 Sampling Date: 11/06/2024

Reported: 11/12/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY CO., NM

Sample ID: DS 04 0.25' (H246775-04)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/08/2024	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	11/07/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 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: 11/06/2024 Reported: 11/12/2024

11/12/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: DS 05 0.25' (H246775-05)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/08/2024	ND	432	108	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	11/07/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 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: 11/06/2024 Sampling Date: 11/06/2024

Reported: 11/12/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: OXY - EDDY CO., NM

Sample ID: DS 06 0.25' (H246775-06)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106% 71.5-13		4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 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: 11/06/2024 Reported: 11/12/2024

11/12/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: DS 07 0.25' (H246775-07)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 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: 11/06/2024 Reported: 11/12/2024

11/12/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: DS 08 0.25' (H246775-08)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 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: 11/06/2024 Sampling Date: 11/06/2024

Reported: 11/12/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY - EDDY CO., NM

Sample ID: DS 09 0.25' (H246775-09)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	11/09/2024	ND	1.67	83.7	2.00	21.5	
<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
<0.300	0.300	11/09/2024	ND					
106	% 71.5-13	4						
mg,	/kg	Analyzed By: CT						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	11/08/2024	ND	432	108	400	0.00	
mg,	'kg	Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	11/07/2024	ND	190	95.2	200	1.16	
<10.0	10.0	11/07/2024	ND	189	94.7	200	1.37	
<10.0	10.0	11/07/2024	ND					
100	% 48.2-13	4						
110	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300 106 9 Result 32.0 mg/ Result <10.0 <10.0	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 T1.5-13 mg/kg Result Reporting Limit 32.0 16.0 mg/kg Result Reporting Limit <10.0 <10.0 <10.0 <10.0 <10.0 <48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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11/06/2024

Analytical Results For:

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

Received: 11/06/2024 Sampling Date:

Reported: 11/12/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY - EDDY CO., NM

Sample ID: PH 01 0.5' (H246775-10)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	190	95.2	200	1.16	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	189	94.7	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 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: 11/06/2024 Reported: 11/12/2024

11/12/2024 OLD CANYON RANCH 7 FEDERAL #001

ma/ka

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH 01 1' (H246775-11)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2024	ND	201	100	200	0.524	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 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: 11/06/2024 Reported: 11/12/2024

11/12/2024 OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH 02 0.5' (H246775-12)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	11/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2024	ND	201	100	200	0.524	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 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: 11/06/2024 Reported: 11/12/2024

11/12/2024 OLD CANYON RANCH 7 FEDERAL #001

ma/ka

Project Name: OLD CANYON R. Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH 02 4' (H246775-13)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	11/08/2024	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	11/07/2024	ND	201	100	200	0.524	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 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: 11/06/2024 Sampling Date: 11/06/2024

Reported: Sampling Type: Soil 11/12/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417205 Tamara Oldaker

Project Location: OXY - EDDY CO., NM

Sample ID: PH 03 0.5' (H246775-14)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/08/2024	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	11/07/2024	ND	201	100	200	0.524	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	99.2 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 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: 11/06/2024 Reported:

11/12/2024

ma/ka

OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact

Tamara Oldaker Sample Received By:

Sample ID: PH 03 3' (H246775-15)

Project Name:

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 11/09/2024	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050			ND	1.67				
	0.050			1.67	83.7	2.00	21.5	
<0.0E0		11/09/2024	ND	1.75	87.3	2.00	17.0	
<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
<0.300	0.300	11/09/2024	ND					
110 9	% 71.5-13	4						
mg/	'kg	Analyze	d By: CT					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1020	16.0	11/08/2024	ND	432	108	400	0.00	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	11/07/2024	ND	201	100	200	0.524	
<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
<10.0	10.0	11/07/2024	ND					
113 9	2/6 48.2-13	4						
118 9	% 49.1-14	8						
	<0.300 110 9 mg/ Result 1020 mg/ Result <10.0 <10.0 <10.0	<0.150 0.150 <0.300 0.300 110	<0.150	<0.150	<0.150	<0.150 0.150 11/09/2024 ND 5.69 94.9 <0.300 0.300 11/09/2024 ND 5.69 94.9 110 % 71.5-134 ND X X Result Reporting Limit Analyzed Method Blank BS % Recovery 1020 16.0 11/08/2024 ND 432 108 Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	<0.150	<0.150

Applyzod By: 14

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Celey D. Keene



Analytical Results For:

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

Received: 11/06/2024 Sampling Date: 11/06/2024

Reported: Sampling Type: Soil 11/12/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417205 Tamara Oldaker

Project Location: OXY - EDDY CO., NM

Sample ID: PH 04 0.5' (H246775-16)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	33200	16.0	11/08/2024	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	11/07/2024	ND	201	100	200	0.524	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	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: 11/06/2024

Sampling Date: 11/06/2024

Reported: 11/12/2024
Project Name: OLD CANYON RANCH 7 FEDERAL #001

Sampling Type: Soil

Project Number: 03B1417205

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY CO., NM

ma/ka

Sample ID: PH 04 4' (H246775-17)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	< 0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	11/08/2024	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	11/07/2024	ND	201	100	200	0.524	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 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: 11/06/2024 Reported: 11/12/2024

OLD CANYON RANCH 7 FEDERAL #001

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH 05 0.5' (H246775-18)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	< 0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	11/08/2024	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	11/07/2024	ND	201	100	200	0.524	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 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: 11/06/2024 Sai

ma/ka

Reported: 11/12/2024 Sampli Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampli

Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 11/06/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH 05 1' (H246775-19)

RTFY 8021R

Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD	BIEX 8021B	mg,	/ kg	Anaiyze	а ву: ЈН					
Toluene* <0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 11/09/2024 ND 1.89 94.6 2.00 13.4 Total Xylenes* <0.150 0.150 11/09/2024 ND 5.69 94.9 6.00 13.4 Total BTEX <0.300 0.300 11/09/2024 ND Surrogate: 4-Bromofluorobenzene (PID 103 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: CT Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 464 16.0 11/08/2024 ND 432 108 400 0.00 TH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 11/07/2024 ND 201 100 200 0.524 DRO >C10-C28* <10.0 10.0 11/07/2024 ND 188 93.8 200 0.0245 EXT DRO >C28-C36 <10.0 10.0 11/07/2024 ND Surrogate: 1-Chlorooctane 112 % 48.2-134	Benzene*	<0.050	0.050	11/09/2024	ND	1.67	83.7	2.00	21.5	
Total Xylenes* <0.150 0.150 11/09/2024 ND 5.69 94.9 6.00 13.4 Total BTEX <0.300	Toluene*	< 0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Total BTEX <0.300 0.300 11/09/2024 ND Surrogate: 4-Bromofluorobenzene (PID 103 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: CT Analyte Result Reporting Limit Analyzed ND 432 ND 432 108 400 0.00 Chloride 464 16.0 11/08/2024 ND 432 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD RPD GRO C6-C10* <10.0 10.0 11/07/2024 ND 201 100 200 0.524	Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Surrogate: 4-Bromofluorobenzene (PID 103 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: CT Analyte Result Reporting Limit Reporting Limit Analyzed ND 432 108 400 0.00 Chloride 464 16.0 11/08/2024 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Reporting Limit Analyzed Nethod Blank BS Recovery True Value QC RPD RPD GRO C6-C10* <10.0 10.0 11/07/2024 ND 201 100 200 0.524	Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Chloride, SM4500Cl-B mg/kg Analyzed By: CT Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 464 16.0 11/08/2024 ND 432 108 400 0.00 TPH 8015M Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 11/07/2024 ND 201 100 200 0.524	Total BTEX	<0.300	0.300	11/09/2024	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 464 16.0 11/08/2024 ND 432 108 400 0.00 TPH 8015M	Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride 464 16.0 11/08/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: CT					
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 11/07/2024 ND 201 100 200 0.524 DRO >C10-C28* <10.0 10.0 11/07/2024 ND 188 93.8 200 0.0245 EXT DRO >C28-C36 <10.0 10.0 11/07/2024 ND Surrogate: 1-Chlorooctane 112 % 48.2-134	Chloride	464	16.0	11/08/2024	ND	432	108	400	0.00	
GRO C6-C10* <10.0 10.0 11/07/2024 ND 201 100 200 0.524 DRO >C10-C28* <10.0 10.0 11/07/2024 ND 188 93.8 200 0.0245 EXT DRO >C28-C36 <10.0 10.0 11/07/2024 ND Surrogate: 1-Chlorooctane 112 % 48.2-134	TPH 8015M	mg	/kg	Analyze	ed By: MS					
DRO >C10-C28* < 10.0 10.0 11/07/2024 ND 188 93.8 200 0.0245 EXT DRO >C28-C36 <10.0 10.0 11/07/2024 ND Surrogate: 1-Chlorooctane 112 % 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 11/07/2024 ND Surrogate: 1-Chlorooctane 112 % 48.2-134	GRO C6-C10*	<10.0	10.0	11/07/2024	ND	201	100	200	0.524	
Surrogate: 1-Chlorooctane 112 % 48.2-134	DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
	EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctadecane 118 % 49.1-148	Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	118	% 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: 11/06/2024 Sampling Date: 11/06/2024

Reported: 11/12/2024 Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Type: Soil

Project Number: 03B1417205 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY CO., NM

Sample ID: PH 05 3' (H246775-20)

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	11/09/2024	ND	1.67	83.7	2.00	21.5	
Toluene*	<0.050	0.050	11/09/2024	ND	1.75	87.3	2.00	17.0	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	1.89	94.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	5.69	94.9	6.00	13.4	
Total BTEX	<0.300	0.300	11/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/08/2024	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	11/07/2024	ND	201	100	200	0.524	
DRO >C10-C28*	<10.0	10.0	11/07/2024	ND	188	93.8	200	0.0245	
EXT DRO >C28-C36	<10.0	10.0	11/07/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-04 The RPD for the BS/BSD was outside of historical limits.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

Page 23 of 24

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240

	(5/5) 393-2326 F/	AA (070) 330-24			-	-		Т		1970 B	RII	L TO					ANA	ALYS	S R	EQUE	ST		
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Released to Imaging: 6/11/2025 3:24:26 PM

2 OKS

Page 24 of 24



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Lab I.D. H246-115	Sample I.D.	Depth (feet)	G)RAB OR (C)OMP	# CONTAINERS	SROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME		NEX 80 C	174 801	(4000dbs	- 30										
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affiliates or successors arising out of or related to the performance	e of services hereunder by Cardinal, regardless	D	Verbal Result: ☐ Yes ☒ No Add'l Phon	
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January 16, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD CANYON RANCH 7 FEDERAL #001

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

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

Cardinal Laboratories is 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: 01/13/2025 Reported: 01/16/2025

01/16/2025 Sampling Type:

Project Name: OLD CANYON RANCH 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 01/10/2025
Sampling Type: Soil

Sampling Condition:

Sample Received By:

Cool & Intact Alyssa Parras

Sample ID: FS 01 1' (H250135-01)

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	01/14/2025	ND	1.79	89.6	2.00	0.450	
Toluene*	<0.050	0.050	01/14/2025	ND	1.95	97.5	2.00	0.213	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	1.92	96.0	2.00	0.110	
Total Xylenes*	< 0.150	0.150	01/14/2025	ND	5.65	94.1	6.00	0.210	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 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	80.0	16.0	01/14/2025	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	01/14/2025	ND	176	87.9	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	172	85.8	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 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: 01/13/2025 Reported: 01/16/2025

OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM Sampling Date: 01/10/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: FS 02 1' (H250135-02)

Project Name:

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	01/14/2025	ND	1.79	89.6	2.00	0.450	
Toluene*	<0.050	0.050	01/14/2025	ND	1.95	97.5	2.00	0.213	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	1.92	96.0	2.00	0.110	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.65	94.1	6.00	0.210	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 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	48.0	16.0	01/14/2025	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	01/14/2025	ND	176	87.9	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	172	85.8	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 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: 01/13/2025 Reported: 01/16/2025

OLD CANYON RANCH 7 FEDERAL #001

ma/ka

Project Name: OLD CANYON Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM

Sampling Date: 01/10/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 03 1' (H250135-03)

RTFY 8021R

Result <0.050	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	DDD	
	0.050			23	% Recovery	True value QC	RPD	Qualifier
0.050	0.050	01/14/2025	ND	1.79	89.6	2.00	0.450	
< 0.050	0.050	01/14/2025	ND	1.95	97.5	2.00	0.213	
<0.050	0.050	01/14/2025	ND	1.92	96.0	2.00	0.110	
<0.150	0.150	01/14/2025	ND	5.65	94.1	6.00	0.210	
<0.300	0.300	01/14/2025	ND					
95.3	% 71.5-13	4						
mg	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	01/14/2025	ND	432	108	400	3.64	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	01/14/2025	ND	176	87.9	200	2.37	
<10.0	10.0	01/14/2025	ND	172	85.8	200	2.80	
<10.0	10.0	01/14/2025	ND					
90.2	% 48.2-13	4						
80.1	% 49.1-14	8						
	<0.150 <0.300 95.3 mg/ Result 32.0 mg/ Result <10.0 <10.0 <10.0	<0.150 0.150 <0.300 0.300 95.3 % 71.5-13 mg/ky Result Reporting Limit 32.0 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0 <48.2-13	<0.150	<0.150 0.150 01/14/2025 ND 95.3 % 71.5-134 Analyzed By: AC Result Reporting Limit Analyzed Method Blank 32.0 16.0 01/14/2025 ND Result Reporting Limit Analyzed Method Blank < 10.0 10.0 01/14/2025 ND < 10.0 10.0 01/14/2025 ND	<0.150	<0.150 0.150 01/14/2025 ND 5.65 94.1 95.3 % 71.5-134 The state of	<0.150 0.150 01/14/2025 ND 5.65 94.1 6.00 95.3 ⅓ 71.5-134 mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 32.0 16.0 01/14/2025 ND 432 108 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0 10.0 01/14/2025 ND 176 87.9 200	<0.150

Applyzod By: 14

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Celey D. Keene



Analytical Results For:

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

Received: 01/13/2025

Sampling Date: 01/10/2025

Reported: 01/16/2025
Project Name: OLD CANYON RANCH 7 FEDERAL #001

Sampling Type: Soil

Project Number: 03B1417205

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Project Location: OXY - EDDY CO., NM

ma/ka

Sample ID: FS 04 1' (H250135-04)

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	01/14/2025	ND	1.79	89.6	2.00	0.450	
Toluene*	<0.050	0.050	01/14/2025	ND	1.95	97.5	2.00	0.213	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	1.92	96.0	2.00	0.110	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.65	94.1	6.00	0.210	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 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	32.0	16.0	01/14/2025	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	01/14/2025	ND	176	87.9	200	2.37	
DRO >C10-C28*	81.3	10.0	01/14/2025	ND	172	85.8	200	2.80	
EXT DRO >C28-C36	71.5	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 01/13/2025 Reported:

01/16/2025 OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM Sampling Date: 01/10/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: FS 05 1' (H250135-05)

Project Name:

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	01/14/2025	ND	1.79	89.6	2.00	0.450	
Toluene*	< 0.050	0.050	01/14/2025	ND	1.95	97.5	2.00	0.213	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	1.92	96.0	2.00	0.110	
Total Xylenes*	< 0.150	0.150	01/14/2025	ND	5.65	94.1	6.00	0.210	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 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	32.0	16.0	01/14/2025	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	01/14/2025	ND	176	87.9	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	172	85.8	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.6	% 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: 01/13/2025 Reported:

01/16/2025

Project Name: OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY - EDDY CO., NM Sampling Date: 01/10/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: FS 06 1' (H250135-06)

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	01/14/2025	ND	1.79	89.6	2.00	0.450	
Toluene*	<0.050	0.050	01/14/2025	ND	1.95	97.5	2.00	0.213	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	1.92	96.0	2.00	0.110	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.65	94.1	6.00	0.210	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/14/2025	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	01/14/2025	ND	176	87.9	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	172	85.8	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.0	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Page 9 of 9



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manage	e: Ensolum, LLC er: Samantha Mack	enzie							THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN	BI	LL TO						AN	IALY	SIS I	REQL	JEST		
Address: 3122	National Parks Hwy							P.0							T	T	T			T	T	T	
City: Carlsbad	and Tiwy	State: NM	7:						npany		-								-				
Phone #: 703	-357-3545	Fax #:	Zip:	8822	20					ade	Dittrich												
	31417205	Project Own							ress:														
Project Name:	Old Ranch Canyon 7 F	ederal #001	ier:				-	City															
	n: 32.4107875, -104.							Stat			Zip:		_										
Sampler Name:	Mario Sarkis	0002001							ne #:				-										
FOR LAB USE ONLY			ТТ	Т	N	MATRIX	_	Fax	#: RESER	2//	CAM	PLING	4		1.	2							
Lab I.D. 25 0/35 1 2 3 4 5 6	Sample I.D. FSOI FSO0 FS03 FS04 FS05 FS06	Depth (feet)	CONTAINED	GROUNDWATER	1	OIL OIL	SLUDGE	OTHER:	/ / ICE/COOM		DATE (10/25)	TIME 1238 1231 1235 1243 1302 1304	SS STEX	HOT JANA		CMOLIAC							
SE NOTE: Liability and D ses. All claims including to e. In no event shall Cardi	Damages. Cardinal's liability and client hose for negligence and any other ca nal be liable for incidental or consequ ut of or related to the performance of	"s exclusive remedy for an	ny claim arisir	ng wheth	ner based	f in contra	act or to	rt, shall	be limited t	to the a	amount paid b	the client for the	ne										

Relinquished By:	formance of services hereunder by Cardinal, rega	tation, business interruptions, loss of us ardless of whether such claim is based ved Bv:	e, or loss of profits incurred by upon any of the above stated	client, its subsidiaries, easons or otherwise.	
Me	1-13-35 Time:	ved by:		Vouled Dec. II	d'I Phone #: Email address:
Relinquished By:	Date: Recei	ved By:		smackenzie@ensolum.com / msarkis	@ensolum.com / kthompson@ensolum.com
	Time:			REMARKS:	
Delivered By: (Circle One)				Incident #: NMLB0432755192	
	Observed Temp. °C 4.20	Sample Condition	CHECKED BY:	Turnaround Time: Standard IV	,
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.62	Cool Intact Yes Yes	(Initials)	GP 1-13-05 Rush □	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
FURINI-006 R 3.2 TU/01/21		LI NO I NO	FT	Thermometer ID #413#140 Correction Factor -0.5°C -0.0°	∐Yes ∐Yes
	† Cardinal cannot ac	ccept verbal changes.	Please email cha	ages to colou keeps @ II _ II .	No No Corrected Temp. °C

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



February 06, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD RANCH CANYON 7 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 12:00.

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

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

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

Accreditation applies to public drinking water matrices.

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: 02/03/2025 Sampling Date: 01/31/2025

Reported: 02/06/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 23 4.5' (H250607-01)

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	02/03/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/03/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/03/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 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	608	16.0	02/03/2025	ND	448	112	400	7.41	
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	02/03/2025	ND	190	94.8	200	0.891	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	191	95.3	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.4	% 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: 02/03/2025 Reported:

Sampling Date: 01/31/2025 02/06/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631 Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: FS 31 4' (H250607-02)

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	02/03/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/03/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/03/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 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	432	16.0	02/03/2025	ND	448	112	400	7.41	
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	02/03/2025	ND	190	94.8	200	0.891	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	191	95.3	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	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: 02/03/2025

Sampling Date: 01/3
Sampling Type: Soil

01/31/2025

Reported: Project Name: 02/06/2025

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

OLD RANCH CANYON 7 FEDERAL #001

Sample Received By:

Tamara Oldaker

Project Number:

BTEX 8021B

03B1417205

mg/kg

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 33 3' (H250607-03)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/03/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/03/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	80.0	16.0	02/03/2025	ND	448	112	400	7.41	
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	02/03/2025	ND	190	94.8	200	0.891	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	191	95.3	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					
Surrogate: 1-Chlorooctane	75.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.7	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 02/03/2025 02/06/2025 Sampling Date: 01/31/2025

Reported: Project Name: Sampling Type: Soil

OLD RANCH CANYON 7 FEDERAL #001 Project Number: 03B1417205

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 39 4' (H250607-04)

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	02/03/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/03/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/03/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 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	336	16.0	02/03/2025	ND	448	112	400	7.41	
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	02/03/2025	ND	190	94.8	200	0.891	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	191	95.3	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.3	% 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: 02/03/2025 Reported:

Sampling Date: 01/31/2025 02/06/2025 Sampling Type: Soil

Project Name:

OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417205 Tamara Oldaker

Analyzed By: JH

Project Location: OXY 32.4107857,-104.5352631

mg/kg

Sample ID: FS 46 4' (H250607-05)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/03/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/03/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	208	16.0	02/03/2025	ND	448	112	400	7.41	
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	02/03/2025	ND	190	94.8	200	0.891	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	191	95.3	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.3	% 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: 02/03/2025 Reported: 02/06/2025

02/06/2025 Sampling Type:
OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition:

Analyzed By: 14

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

ma/ka

Sampling Date: 01/31/2025

Sample Received By:

Cool & Intact Tamara Oldaker

Soil

Sample ID: FS 49 4' (H250607-06)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/04/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 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	416	16.0	02/04/2025	ND	480	120	400	3.39	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2025	ND	190	94.8	200	0.891	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	191	95.3	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 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: 02/03/2025 Reported:

Sampling Date:

01/31/2025

Project Name:

02/06/2025

Sampling Type: Sampling Condition: Soil Cool & Intact

Project Number:

OLD RANCH CANYON 7 FEDERAL #001

Sample Received By:

Tamara Oldaker

Project Location:

BTEX 8021B

03B1417205

mg/kg

OXY 32.4107857,-104.5352631

Sample ID: FS 50 4' (H250607-07)

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/04/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	400	16.0	02/04/2025	ND	480	120	400	3.39	
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	02/03/2025	ND	190	94.8	200	0.891	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	191	95.3	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene



Analytical Results For:

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

Received: 02/03/2025 Reported:

02/06/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631 Sampling Date: 01/31/2025

Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: FS 51 4' (H250607-08)

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	02/04/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/04/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	208	16.0	02/04/2025	ND	480	120	400	3.39	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.2	% 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: 02/03/2025

Sampling Date: 01/31/2025

Reported: Project Name:

BTEX 8021B

02/06/2025

mg/kg

Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 54 4' (H250607-09)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/04/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	496	16.0	02/04/2025	ND	480	120	400	3.39	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keine



01/31/2025

Analytical Results For:

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

Received: 02/03/2025

Sampling Date:

Reported: 02/06/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: OXY 32.4107857,-104.5352631

mg/kg

Sample ID: FS 57 5' (H250607-10)

BTEX 8021B

DILX GOZID	mg/	- Kg	Allulyzed by: 311						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/04/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	512	16.0	02/04/2025	ND	480	120	400	3.39	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 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: 02/03/2025 02/06/2025 Sampling Date: 01/31/2025

Reported:

Sampling Type: Soil

Project Name:

OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition:

Analyzed By: 14

Sample Received By:

Cool & Intact Tamara Oldaker

Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

ma/ka

Sample ID: FS 27 5' (H250607-11)

RTFY 8021R

B1EX 8021B	mg/	ky	Allalyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/04/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 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	464	16.0	02/04/2025	ND	480	120	400	3.39	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/03/2025 Sampling Date: 01/31/2025 Sampling Type:

Reported: Project Name: 02/06/2025

Soil

Project Number:

BTEX 8021B

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Cool & Intact

03B1417205

Sample Received By:

Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

mg/kg

Sample ID: FS 29 3' (H250607-12)

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.39	120	2.00	4.72	
Toluene*	<0.050	0.050	02/04/2025	ND	2.42	121	2.00	5.57	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.59	130	2.00	5.41	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.90	132	6.00	6.41	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 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	688	16.0	02/04/2025	ND	480	120	400	3.39	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keene



Analytical Results For:

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

Received: 02/03/2025 Sampling Date: 01/31/2025

Reported: Project Name: 02/06/2025 Sampling Type: OLD RANCH CANYON 7 FEDERAL #001

Analyzed By: 14

Soil Sampling Condition:

Project Number:

RTFY 8021R

03B1417205

Cool & Intact Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: SW 03 0-7' (H250607-13)

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	02/04/2025	ND	1.99	99.4	2.00	5.45	
Toluene*	<0.050	0.050	02/04/2025	ND	2.13	106	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.06	103	2.00	5.14	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.44	107	6.00	5.56	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	02/04/2025	ND	480	120	400	3.39	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/03/2025

Sampling Date:

01/31/2025

Reported: Project Name: 02/06/2025

Sampling Type:

Soil

Project Name.

RTFY 8021R

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

03B1417205

OXY 32.4107857,-104.5352631

Sample ID: SW 06 0-7' (H250607-14)

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	02/04/2025	ND	1.99	99.4	2.00	5.45	
Toluene*	<0.050	0.050	02/04/2025	ND	2.13	106	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.06	103	2.00	5.14	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.44	107	6.00	5.56	
Total BTEX	<0.300	0.300	02/04/2025	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	432	16.0	02/04/2025	ND	480	120	400	3.39	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 49.1-14	8						

Analyzed By: 14

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.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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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Page 17 of 18



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Relinquished By:	e of services fiereunder by Ca	ardinal, regardless of whether such claim is based upon any of the above stated rea	isons or otherwise.
Reilliquisited by:	Date: 2	Received/By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
1) 6 12	0000	//0 / //////////////////////////////	All Results are emailed. Please provide Email address:
11/2	Times \		
Loww	17200 N	APPINIONU (1/V/V/VIII)	smackenzie@ensolum.com kthomason@ensolum.com usantillana@ensolum.com
Relinquished By:	1000	January Mangery	
Reilliquisileu by.	Date:	Received By:	REMARKS:
	Time:		4
	1		1
Delivered By: (Circle One)	T *0	12 0 10 10	~
Delivered by. (Officie Offie)	served Temp. °C		Turnaround Time: Standard 🔼 Bacteria (only) Sample Condition
		Cool Intact (Initials)	Rush Cool Intact Observed Temp, °C
Sampler - UPS - Bus - Other:	prrected Temp. °C	Yes Yes	Thermometer ID #113 #140 See Yes
	(
FURM-006 R 3.2 10/07/21		I NO I NO	Correction Factor 4.6°C TU/OC No Corrected Temp. °C

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

Received by OCD: 3/17/2025 10:29:32 AM

Released to Imaging: 6/11/2025 3:24:26 PM

Page 18 of 18



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	e: Ensolum, LLC	()									B	IL	L TO)		Į.				AN	ALYS	SIS	RF	OUF	ST		
Project Manage	er: Samantha MacKe	nzie							P.C). #:						T			Т	T	T	Ť		ZOL	<u> </u>		М
Address: 601	N Marienfeld Stree	t, suite 400							Co	mpa	ny: C	CXC	Y USA	A In	C.	1											
city: Midland		State: TX	Zip	5 : 7	970	01							ittrich			1											
Phone #: 703-	357-3545	Fax #:								dres						1											
Project #: 03B	1417205	Project Owne	er:						Cit	/ :						1											
Project Name: (Old Ranch Canyon								Sta			Z	ip:			1											
Project Locatio	n: 32.4107857, -10	4.5352631							Pho	one	#:					V											
Sampler Name:	Uriel Santillana								Fax	#:						1 ~											
FOR LAB USE ONLY			T.	Г		М	ATRI	X		PRE	SERV	4	SAN	IPLIN	NG	7	×										
Lab I.D. <i>H25010</i> 07	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		DATE		TIME	C H 50,	875	TOH									
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LEASE NOTE: Liability an	d Damages, Cardinal's liability and clie	ent's exclusive remedy for a	ny claim	arisin	g wheth	her base	ed in co	ntract o	r tort. s	hall be	limited t	to the	amount pai	id by th	e client for t	the			_			_					

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Relinquished By:	mance of services flereunder by Cardinal,	ii, regardless of whether such claim is based upon any of the above stated rea	asons or otherwise.
Kellilquisileu by:	Date:Rec	eceived By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
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11/201	Time:	MALLIXUA A VISIII	Air Results are entailed. Please provide Email address:
02 au	Time: 200	1/8/1/1/8/7/9/1 N/M/A 1/2016	smackenzie@ensolum.com kthomason@ensolum.com usantillana@ensolum.com
Relinquished By:		silver un various	
itelliquisileu by.	Date: Red	eceived By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition CHECKED BY:	- · · · · · · · · · · · · · · · · · · ·
-, ()	Observed Temp. C		Turnaround Time: Standard Bacteria (only) Sample Condition
Complex LIDS Door Off	/	Cool Intact (Initials)	Rush Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Yes Yes	Thermometer ID #113 # 40 Yes
	//4	□ No □ No □ V = ~	C F 0596 1 / 3 A
FURIVI-000 R 3.2 10/07/21		The second secon	Correction Factor 100 Corrected Temp. °C



February 06, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD RANCH CANYON 7 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 12:00.

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

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

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

Accreditation applies to public drinking water matrices.

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: 02/03/2025 Sampling Date: 01/28/2025

Reported: 02/06/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 07 1' (H250609-01)

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	02/04/2025	ND	1.86	92.8	2.00	0.481	
Toluene*	<0.050	0.050	02/04/2025	ND	2.01	101	2.00	0.220	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	1.99	99.6	2.00	0.0369	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.16	103	6.00	0.924	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	96.0	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Celeg & Freene



Analytical Results For:

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

Received: 02/03/2025 Sampling Date: 01/28/2025

Reported: Project Name: 02/06/2025

Sampling Type: Soil

Project Number:

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 08 1' (H250609-02)

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	02/04/2025	ND	1.86	92.8	2.00	0.481	
Toluene*	<0.050	0.050	02/04/2025	ND	2.01	101	2.00	0.220	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	1.99	99.6	2.00	0.0369	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.16	103	6.00	0.924	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 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	32.0	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	396	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	176	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 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: 02/03/2025 Sampling Date: 01/28/2025 Sampling Type:

Reported: Project Name: 02/06/2025 OLD RANCH CANYON 7 FEDERAL #001 Soil

Project Number:

RTFY 8021R

03B1417205

ma/ka

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 09 1' (H250609-03)

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	02/04/2025	ND	1.86	92.8	2.00	0.481	
Toluene*	<0.050	0.050	02/04/2025	ND	2.01	101	2.00	0.220	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	1.99	99.6	2.00	0.0369	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.16	103	6.00	0.924	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	128	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	774	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	291	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Analyzed By: 14

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Celey D. Keene



Analytical Results For:

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

Received: 02/03/2025

Sampling Date: 01/28/2025

Reported: 02/06/2025

Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

ma/ka

Sample ID: FS 10 1' (H250609-04)

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	02/04/2025	ND	1.86	92.8	2.00	0.481	
Toluene*	<0.050	0.050	02/04/2025	ND	2.01	101	2.00	0.220	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	1.99	99.6	2.00	0.0369	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.16	103	6.00	0.924	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	96.0	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	44.1	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	14.3	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Analyzed 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: 02/03/2025 Sampling Date: 01/28/2025

Reported: 02/06/2025 Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Type: Soil

Project Number: 03B1417205 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 11 1' (H250609-05)

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	02/04/2025	ND	1.86	92.8	2.00	0.481	
Toluene*	<0.050	0.050	02/04/2025	ND	2.01	101	2.00	0.220	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	1.99	99.6	2.00	0.0369	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.16	103	6.00	0.924	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 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	32.0	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	11.1	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

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Celey D. Keene



01/28/2025

Soil

Analytical Results For:

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

Received: 02/03/2025 Reported:

Sampling Date: 02/06/2025 Sampling Type:

Project Name:

OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact Project Number: Sample Received By: 03B1417205 Tamara Oldaker

Analyzed By: JH

Project Location: OXY 32.4107857,-104.5352631

mg/kg

Sample ID: FS 12 1' (H250609-06)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	304	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 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: 02/03/2025 Sampling Date:

Soil

Reported: Project Name:

RTFY 8021R

02/06/2025 OLD RANCH CANYON 7 FEDERAL #001 Sampling Type: Sampling Condition:

Sample Received By:

Cool & Intact

Tamara Oldaker

01/28/2025

Project Number:

03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sample ID: SW 01 0-1' (H250609-07)

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	366	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	115	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

Analyzed By: 14

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Analytical Results For:

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

Received: 02/03/2025 Reported: 02/06/2025

 02/03/2025
 Sampling Date:
 01/28/2025

 02/06/2025
 Sampling Type:
 Soil

Project Name: OLD RANCH
Project Number: 03B1417205

OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

ma/ka

Sample ID: FS 13 1.5' (H250609-08)

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	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	448	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Analyzed By: 14

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Analytical Results For:

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

Received: 02/03/2025 Reported: 02/06/2025

02/06/2025 Sampling Type: Soil

Sampling Condition:

Sample Received By:

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

ma/ka

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 01/28/2025

Cool & Intact
Tamara Oldaker

Sample ID: FS 17 1' (H250609-09)

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	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	192	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Analyzed By: 14

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Analytical Results For:

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

Received: 02/03/2025 Reported:

Sampling Date: 01/28/2025 02/06/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001

ma/ka

Sampling Condition: Cool & Intact Project Number: Sample Received By: 03B1417205 Tamara Oldaker

Analyzed By: 14

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 18 1' (H250609-10)

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	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Cool & Intact

Tamara Oldaker

Analytical Results For:

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

Received: 02/03/2025 Reported: 02/06/2025

 02/03/2025
 Sampling Date:
 01/28/2025

 02/06/2025
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 14 3' (H250609-11)

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	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 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	576	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 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: 02/03/2025 Sampling Date: 01/29/2025

Reported: Project Name: 02/06/2025 OLD RANCH CANYON 7 FEDERAL #001 Sampling Type: Soil

Project Number:

BTEX 8021B

mg/kg

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

03B1417205 Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 15 5' (H250609-12)

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	208	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	189	94.6	200	0.606	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.3	200	0.672	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 02/03/2025 Reported: 02/06/2025

Sampling Date: 01/29/2025
Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

mg/kg

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

Sample ID: FS 19 5' (H250609-13)

BTEX 8021B

	9/	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	448	16.0	02/04/2025	ND	416	104	400	3.77	
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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.6	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 02/03/2025 Reported: 02/06/2025 Sampling Date: Sampling Type:

Reported: Project Name:

OLD RANCH CANYON 7 FEDERAL #001

Sampling Type: Soil
Sampling Condition: Cool

Project Number:

BTEX 8021B

03B1417205

mg/kg

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

01/29/2025

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 20 5' (H250609-14)

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	400	16.0	02/04/2025	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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Analyzed By: JH

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: 02/03/2025 Reported: 02/06/2025

02/06/2025 OLD RANCH CANYON 7 FEDERAL #001

Project Name: OLD RANCH
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 01/29/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 16 7' (H250609-15)

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	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	320	16.0	02/04/2025	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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 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: 02/03/2025

Sampling Date: 01/

01/29/2025 Soil

Reported: Project Name: 02/06/2025

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

OLD RANCH CANYON 7 FEDERAL #001

Sample Received By:

Tamara Oldaker

Project Number: Project Location:

BTEX 8021B

03B1417205

mg/kg

OXY 32.4107857,-104.5352631

Sample ID: FS 25 1' (H250609-16)

DIEX GOZID	1119/	rkg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 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	32.0	16.0	02/04/2025	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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keine



Analytical Results For:

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

Received: 02/03/2025 Sampling Date:

01/29/2025

Reported: Project Name: 02/06/2025

Sampling Type:

Soil

BTEX 8021B

OLD RANCH CANYON 7 FEDERAL #001

mg/kg

Sampling Condition:

Cool & Intact

Project Number: Project Location: 03B1417205

OXY 32.4107857,-104.5352631

Analyzed By: JH

Sample Received By: Tamara Oldaker

Sample ID: FS 26 1' (H250609-17)

DILX GOZID	iiig/	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	32.0	16.0	02/04/2025	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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.2	% 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: 02/03/2025 Sampling Date: Sampling Type: 01/29/2025

Reported: Project Name: 02/06/2025

Sampling Condition:

Cool & Intact

Soil

Project Number:

03B1417205

OLD RANCH CANYON 7 FEDERAL #001

OXY 32.4107857,-104.5352631

Sample Received By:

Tamara Oldaker

Project Location:

Sample ID: FS 28 1' (H250609-18)

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	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	< 0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	96.0	16.0	02/04/2025	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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 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: 02/03/2025 Reported: 02/06/2025

02/06/2025 OLD RANCH CANYON 7 FEDERAL #001

Project Name: OLD RANCH
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 01/29/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 02 0-7' (H250609-19)

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	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	320	16.0	02/04/2025	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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	15.8	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/03/2025 Reported: 02/06/2025

02/06/2025 Sampling Type:
OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition:

Analyzed By: 14

Project Name: OLD RANCH
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 01/29/2025

Sample Received By:

Soil Cool & Intact

Tamara Oldaker

Sample ID: SW 04 0-7' (H250609-20)

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	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	256	16.0	02/04/2025	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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 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: 02/03/2025 Reported: 02/06/2025

02/06/2025 Sampling Type:

Analyzed By: 14

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 01/29/2025 Sampling Type: Soil

Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: SW 05 0-7' (H250609-21)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.51	125	2.00	3.34	
Toluene*	<0.050	0.050	02/04/2025	ND	2.46	123	2.00	5.40	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.56	128	2.00	4.71	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.72	129	6.00	5.87	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	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	240	16.0	02/04/2025	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	02/04/2025	ND	199	99.7	200	0.0427	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	188	94.1	200	0.0850	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

Released to Imaging: 6/11/2025 3:24:26 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Ensolum, LLC											BII	LL TO	,						ANA	LYSI	S RE	EQUI	EST				
	zie							P.(0. #													Т	T	\top	\top		П
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57-3545																											
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		Т	Г		М	ATR	IX		PR	ESE	RV.	SA	MPI	LING	a						1						
Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL V	OTHER:	DATE	_	TIME	Chloric	のトロメ	サクナ										
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		Ц	1							1	Ш		1		i	1	1		_		_	_	\perp	\perp	_		
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		Н					+		L	1			4		\sqcup	\vdash	1	_	_	_	1	-	+	+	_		\vdash
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	1.5		Ш										4									1	+	_	_		
		11											1							-		-	1	_	_		
		11								1		-				Ι'	1										
	Samantha MacKen. Marienfeld Street, 57-3545 417205 Id Ranch Canyon 32.4107857, -104 Uriel Santillana Sample I.D. F507 F508 F509 F510 F511 F512 Sw01 F517 F518	Samantha MacKenzie	Samantha MacKenzie Marienfeld Street, suite 400 State: TX Zip S57-3545 Fax #: 417205 Project Owner: Id Ranch Canyon 7 Federal #001 32.4107857, -104.5352631 Uriel Santillana Depth (feet) Sample I.D. Depth (feet) So F507 F508 F509 F510 F511 F512 1' F513 F517 1' F518 1' F518 1' F518 1' F518 1' F518 T' F518	Samantha MacKenzie Marienfeld Street, suite 400 State: TX Zip: 75 75 75 75 75 75 75 75	Samantha MacKenzie Marienfeld Street, suite 400 State: TX Zip: 7970 S57-3545 Fax #: 417205 Project Owner: Id Ranch Canyon 7 Federal #001 32.4107857, -104.5352631 Uriel Santillana Depth (feet) Open O	Samantha MacKenzie Marienfeld Street, suite 400 State: TX Zip: 79701 S57-3545 Fax #: 417205 Project Owner: Id Ranch Canyon 7 Federal #001 32.4107857, -104.5352631 Uriel Santillana Depth (feet) O	Samantha MacKenzie Marienfeld Street, suite 400 State: TX Zip: 79701 S57-3545 Fax #: 417205 Project Owner: Id Ranch Canyon 7 Federal #001 32.4107857, -104.5352631 Jriel Santillana Depth (feet) O	Samantha MacKenzie Marienfeld Street, suite 400	Samantha MacKenzie	Samantha MacKenzie	Samantha MacKenzie	Marienfeld Street, suite 400 State: TX Zip: 79701 Attn: Wade S7-3545 Fax #: Address: City: Id Ranch Canyon 7 Federal #001 State: 32.4107857, -104.5352631 Phone #: Fax #: Phone #:	Samantha MacKenzie														

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affiliates or successors arising out of or related to the perform	nance of services hereunder by Cardinal,	l, regardless of whether such claim is based	upon any of the above stated rea	asons or otherwise.	
Relinquished By:	Date: Re	eceived By:	711	101 Bull 1100 Bit. = 100 = 110	Add'I Phone #:
100	23-65	10		All Results are emailed. Please provide	
() Dann	Time:	WILLIATAK	VIEW DIV	smackenzie@ensolum.com kthoma	ason@ensolum.com usantillana@ensolum.com
0	100	Junior Sa	action		
Relinquished By:	Date: Re	eceived By:		REMARKS:	
	Time:				
					d
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time: Standard	Bacteria (only) Sample Condition
	//-	Cool Intact	(Initials)	Rush	Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Yes Yes	00	Thermometer ID #113 #140	☐ Yes ☐ Yes
	7.4	□ No □ No	6 -	Correction Fector 0.5°C +0.3c	Nc No Corrected Temp. °C
FURIM-000 R 3.2 T0/07/21					

Page 25 of 26



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Ensolum, LLC										L	<i>B </i>	LL TO					ANA	LYSI	S RE	QUE	ST			\vdash
Project Manager	Samantha MacKen	zie							P.C). #:													-		
Address: 601 N	Marienfeld Street	, suite 400							Co	mpa	any:	(0)	XY USA	Inc.											
city: Midland		State: TX	Zip	: 7	970)1			Att	n:V	Vac	de [Dittrich												
Phone #: 703-3	357-3545	Fax #:							Ad	dres	ss:														
Project #: 03B1	1417205	Project Owner	r:						Cit	y:															\perp
	old Ranch Canyon	7 Federal #00	1						Sta	ite:			Zip:												
	1: 32.4107857, -104								Ph	one	#:														
Sampler Name:									Fax	x #:					١.,										
FOR LAB USE ONLY		8	Ι.	Г		М	ATRI)	(PRE	SE	RV.	SAMI	PLING	25	_									
Lab I.D. H250609	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chlorid	BTEX	HOL								
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12	F515	5′	ĺ	1							1		1/29/25			1	1		_			_	_		+
13	F519	5'	Ш	Ш									1/29/25								_		_	_	+
14	F520	5'	Ш	Ш									1	1000		\perp			-	-	-	_	_	_	+
15	FS16	7'	Ш	Ш			\perp							1058	\Box		\vdash			-	-	-	-		+
16	F525	1'	Н	Ш			1	_				_		1230	\vdash		\vdash		-	-	-	-	-	-	+
17	F526	1'	Н	₩	L			-				\dashv		1235		\vdash			-	-	+-	-	\vdash	-	+
18	F528	1'	H	₩	H	\vdash	-	-			\perp	-		1240	\mathbf{H}				-	-	7	-	-	-	+
19	5W02	0-7'	H	1				-			-			1355					-		-		-	-	+
20	5W04	0-7'	Ľ	11							,		1	1350	'	1									

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affiliates or successors arising out of or related to the performance	e of services hereunder by Cardinal, regar	ardless of whether such claim is based upon	any of the above stated reas	sons or otherwise.			
Relinquished By:	2-3.60	ved By:	11/1/	Verbal Result: ☐ Yes All Results are emailed. P	Please provide	d'I Phone #: Email address:	us antillana@ans alum com
Ocem	Time: 200	Milliara Sta	we a		com ktnomas	on@ensolum.com	usantillana@ensolum.com
Relinquished By:	Date: Receiv	ved By:		REMARKS:			
	Time:						
Delivered By: (Circle One)	bserved Temp. °C 1,3	Sample Condition C	CHECKED BY: (Initials)	runnia runna	Standard 🔼	Cool Intact	Sample Condition Observed Temp. °C
Sampler - UPS - Bus - Other:	orrected Temp. °C 1.Le	Yes Yes No No		Thermometer ID #113 #16 Correction Factor 0.5°C	-0.32	☐ Yes ☐ Yes ☐ No ☐ No	Corrected Temp. °C



Page 26 of 26

Released to Imaging: 6/11/2025 3:24:26 PM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Ensolum, LLC											BII	LL TO					ANA	LYSI	S RI	EQUE	ST			
Project Manage	r: Samantha MacKer	nzie							Р.	0. #	ŀ				T										П
Address: 601	N Marienfeld Street	, suite 400							Co	mp	any	:0	XY USA	Inc.	1										
city: Midland		State: TX	Zip	: 7	970)1			At	tn:\	Na	de	Dittrich		1										
Phone #: 703-	357-3545	Fax #:							Ad	ldre	ss:				1										
Project #: 03B	1417205	Project Owne	r:						Ci	ty:					1										
Project Name:	Old Ranch Canyon	7 Federal #00)1						St	ate:			Zip:		1										
Project Location	n: 32.4107857, -104	4.5352631							Ph	one	#:		-		1						1.				
Sampler Name:	Uriel Santillana								Fa	x #:					2										
FOR LAB USE ONLY			Τ.	Г		М	ATR	IX		PR	ESE	RV.	SAMI	PLING	S							1			
Lab I.D. H250609	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloric	BTEX	HULL								
21	5405	0-7'	C	1		7	X				X		1/29/25	1400	X	Y	+								
																							5	A A (

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

arriances of successors urising out of or related to the performance	de of services fierentiaer by Ca	ardinal, regardless of whether such claim is based	upon any of the above stated rea	asons of otherwise.
Relinquished By:	Date:	Received By:	000.	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
114	0-0-05	Marian 1		All Results are emailed. Please provide Email address:
()))ann	Time:	TANINA PARA	WONKAN	smackenzie@ensolum.com kthomason@ensolum.com usantillana@ensolum.com
	1000	S Account of	energy of	
Relinquished By:	Date:	Received By:	_	REMARKS:
	Time:			*
				,
Delivered By: (Circle One)	bserved Temp. °C	/ Sample Condition	CHECKED BY:	Turnaround Time: Standard A Bacteria (only) Sample Condition
		Cool Intact	(Initials)	Rush Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	orrected Temp. °C	Yes Yes	5	Thermometer ID #113 #145 Yes Yes
		□ No □ No	7 = -	Correction Factor 45°C 40,3c No Corrected Temp. °C
-		Cool Intact Yes Yes	(Initials)	Rush ☐ Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ Yes

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



February 10, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD RANCH CANYON 7 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 02/04/25 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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: 02/04/2025 Sampling Date: 01/30/2025

Reported: 02/10/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 32 3' (H250653-01)

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	02/05/2025	ND	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/05/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.67	111	6.00	0.0872	
Total BTEX	<0.300	0.300	02/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	480	16.0	02/05/2025	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	02/05/2025	ND	190	95.2	200	3.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.2	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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Celey & Keens



Analytical Results For:

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

Received: 02/04/2025 Reported:

02/10/2025

OLD RANCH CANYON 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631 Sampling Date: 01/30/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS 34 7' (H250653-02)

Project Name:

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	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	384	16.0	02/05/2025	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	02/05/2025	ND	190	95.2	200	3.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.2	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	102 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 02/04/2025

Sampling Date: 01/30/2025

Reported: 02/10/2025
Project Name: 02/10/2025
OLD RANCH CANYON 7 FEDERAL #001

Sampling Type: Soil

Project Number: 03B1417205

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 35 1' (H250653-03)

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	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
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: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/05/2025	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	02/05/2025	ND	190	95.2	200	3.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.2	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 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: 02/04/2025 Reported: 02/10/2025 Sampling Date: 01/30/2025

Reported: Project Name: Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 36 1' (H250653-04)

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	02/06/2025	ND	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	336	16.0	02/05/2025	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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.6	% 49.1-14	18						

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Celey D. Keene



01/30/2025

Analytical Results For:

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

Received: 02/04/2025 Sampling Date:

Reported: 02/10/2025 Sampling Type: Soil
Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

mg/kg

Sample ID: FS 37 1' (H250653-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
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	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/05/2025	ND	432	108	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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.9	% 49.1-14	8						

Analyzed By: JH

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Celey D. Kreine



01/30/2025

Analytical Results For:

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

Received: 02/04/2025

> 02/10/2025 Sampling Type: Soil Sampling Condition:

Sampling Date:

Project Name: OLD RANCH CANYON 7 FEDERAL #001

Cool & Intact Tamara Oldaker Project Number: 03B1417205 Sample Received By:

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 38 3' (H250653-06)

Reported:

BTEX 8021B	mg/kg		Analyzed 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	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	224	16.0	02/05/2025	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	94.3 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	90.7	% 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: 02/04/2025 Reported: 02/10/2025

Project Name: OLD RANCH CANYON 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 01/30/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 40 2' (H250653-07)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
Total BTEX	<0.300	0.300	02/06/2025	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	128	16.0	02/05/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 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: 02/04/2025

Sampling Date: 01/30/2025

Reported: Project Name: 02/10/2025

Sampling Type: Soil

Project Number:

OLD RANCH CANYON 7 FEDERAL #001 Samplir 03B1417205 Sample

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 41 1' (H250653-08)

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	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
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: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/05/2025	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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.7	% 49.1-14	18						

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01/30/2025

Analytical Results For:

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

Received: 02/04/2025 Sampling Date:

Reported: 02/10/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 42 1' (H250653-09)

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	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	272	16.0	02/05/2025	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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	87.5	% 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: 02/04/2025

Sampling Date:

01/30/2025

Reported: Project Name: 02/10/2025

Sampling Type:

Soil Cool & Intact

Project Number:

OLD RANCH CANYON 7 FEDERAL #001 03B1417205

ma/ka

Sampling Condition: Sample Received By:

Tamara Oldaker

Project Number: Project Location:

RTFY 8021R

OXY 32.4107857,-104.5352631

Sample ID: FS 43 3' (H250653-10)

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	02/06/2025	ND	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
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: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/05/2025	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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

Analyzed By: 14

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Analytical Results For:

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

Received: 02/04/2025 Sampling Date: 01/30/2025

Reported: 02/10/2025 Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Type: Soil

Project Number: 03B1417205 Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 44 3' (H250653-11)

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	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 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	96.0	16.0	02/05/2025	ND	432	108	400	3.77	
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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 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: 02/04/2025 Sampling Date:

01/30/2025

Reported: Project Name: 02/10/2025

Sampling Type:

Soil

BTEX 8021B

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Sample Received By: Cool & Intact

Project Number:

03B1417205

mg/kg

Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 47 1' (H250653-12)

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	1.97	98.6	2.00	0.308	
Toluene*	<0.050	0.050	02/06/2025	ND	2.14	107	2.00	0.769	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.16	108	2.00	0.260	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.0872	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	432	16.0	02/05/2025	ND	432	108	400	3.77	
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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 02/04/2025 Sampling Date:

01/30/2025

Reported: Project Name: 02/10/2025 OLD RANCH CANYON 7 FEDERAL #001 Sampling Type:

Soil Cool & Intact

Project Number:

Sampling Condition: Sample Received By:

Tamara Oldaker

Project Location:

BTEX 8021B

03B1417205

mg/kg

OXY 32.4107857,-104.5352631

Sample ID: FS 48 1' (H250653-13)

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2025	ND	1.75	87.6	2.00	1.47	
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336	
Total BTEX	<0.300	0.300	02/05/2025	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	416	16.0	02/05/2025	ND	432	108	400	3.77	
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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.4	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 02/04/2025 Sampling Date: 01/30/2025

Reported: 02/10/2025 Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Type: Soil

Project Number: 03B1417205 Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 52 3' (H250653-14)

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	02/05/2025	ND	1.75	87.6	2.00	1.47	
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336	
Total BTEX	<0.300	0.300	02/05/2025	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	208	16.0	02/05/2025	ND	432	108	400	3.77	
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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.7	% 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: 02/04/2025

Sampling Date:

01/30/2025

Reported: Project Name: 02/10/2025

Sampling Type:

Soil Cool & Intact

Project Number:

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Sample Received By:

Tamara Oldaker

Project Number.

BTEX 8021B

03B1417205

mg/kg

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 53 3' (H250653-15)

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2025	ND	1.75	87.6	2.00	1.47	
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336	
Total BTEX	<0.300	0.300	02/05/2025	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	304	16.0	02/05/2025	ND	432	108	400	3.77	
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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories

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Celey D. Keine



Analytical Results For:

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

Received: 02/04/2025 Sampling Date:

01/30/2025

Reported: Project Name: 02/10/2025

Sampling Type:

Soil

BTEX 8021B

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition:

Cool & Intact

Project Number: Project Location: 03B1417205

mg/kg

OXY 32.4107857,-104.5352631

Sample Received By: Tamara Oldaker

Sample ID: FS 60 3' (H250653-16)

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2025	ND	1.75	87.6	2.00	1.47	
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336	
Total BTEX	<0.300	0.300	02/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/05/2025	ND	432	108	400	3.77	
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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 02/04/2025 Sampling Date: 01/30/2025 Sampling Type: Soil

Reported: Project Name: 02/10/2025 OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition:

Project Number: 03B1417205

Cool & Intact Tamara Oldaker Sample Received By:

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 61 3' (H250653-17)

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	02/05/2025	ND	1.75	87.6	2.00	1.47	
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336	
Total BTEX	<0.300	0.300	02/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	400	16.0	02/05/2025	ND	432	108	400	3.77	
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	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Received by OCD: 3/17/2025 10:29:32 AM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Ensolum, LLC										I	3/[LL TO						ANA	LYSI	S RE	QUE	ST		
Project Manage	: Samantha MacKen	nzie							P.C	D. #.	:							T	Г		Т				
Address: 601 N	Marienfeld Street	, suite 400							Co	mpa	any:	(0)	XY USA	Inc.]			1							
city: Midland		State: TX	Zip	7:	970	1			Att	n: V	Vac	le [Dittrich												
Phone #: 703-3	57-3545	Fax #:							Ad	dres	ss:														
Project #: 03B	1417205	Project Owne	r:						Cit	y:				7	1			1			1				
Project Name: C	old Ranch Canyon	7 Federal #00	01						Sta	ite:	NN	1 :	Zip:						1						
Project Location	:32.4107857,-104	.5352631							Ph	one	#:														
Sampler Name:	Uriel Santillana								Fax	x #:					e									~	
FOR LAB USE ONLY			Τ.	Г		M	ATRI	(PRE	ESEF	₹V.	SAMI	PLING	10	X					1				
Lab I.D. <i>H25016</i> 53	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chlori	ストの	TOR								
	F532	3'	C	1		X	(X		1/30/25		X	X	X								
2	F534	7	1	1							1		1/30/25												
3	F535	1'	1	Ш								_	1	927											Ш
4	F536	1'	Ш									4		930	\sqcup		Ш	_							Ш
5	F537	1' 3'	Ш	Ш	Ш	\perp					Ш	4		1027			Ш								Ш
6	FS38		Ш	Щ	Ш	\parallel			_			4		1019			Ш	_							Ш
7	F540	2'	\perp		Ш	\perp			4		1	4		1104			1	_							Ш
8	F541	1′							_			4		1101				-							Ш
9	F542	1'							4		1	4		1059											\sqcup
10	F543	3'	1	1		1							V	1056	A	W	V								

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affiliates or successors arising out of or related to the perform	nance of services hereunder by Cardinal, regardles	ss of whether such claim is based up	oon any of the above stated reas	sons or otherwise.	
Relinquished By:	Date: Received	degy:		All Results are emailed. Please provide Email	hone #: il address: ensolum.com usantillana@ensolum.com
Relinquished By:	Date: Receive	d By:	and I	REMARKS:	-
	Time:				
Delivered By: (Circle One)	Observed Temp. °C /3	Sample Condition Cool Intact	CHECKED BY: (Initials)		Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.6	Yes Yes No No	0		
FURIM-006 R 3.2 TU/07/21				· · · · · · · · · · · · · · · · · · ·	

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Page 21 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Ensolum, LLC									1 34	BI	LL	L TO					Al	NAL	YSIS	KE	QUES	, 1			\dashv
	: Samantha MacKen	zie						_		. #:																1
	Marienfeld Street,								Cor	npar	ny:O	X	Y USA I	nc.												
city: Midland		State: TX	Zip	: 79	970	1			Attı	ı:W	ade	Di	ittrich													١
Phone #: 703-3	357-3545	Fax #:							Add	ires	s:															١
Project #: 03B1		Project Owner	:						City	<i>y</i> :																-
Project Name: O	old Ranch Canyon	7 Federal #00	1						Sta	te:		Zi	ip:													١
Project Location	n: 32.4107857, -104	1.5352631							Pho	one i	#:				0											١
Sampler Name:	Uriel Santillana							_	Fax			_			0											-
FOR LAB USE ONLY						M	ATRI	X		PRE	SERV	4	SAMP	LING	5	X										-
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		DATE	TIME	CAP	BTE	TPH									,
H	FS44	3′	C	1		7	X				X	i	130/25		X	X	X	\rightarrow	\dashv					\vdash	-	\dashv
12	FS47	1	1	1			1				1	L		944	1	1	1	_	_					\vdash	-+	-
13	F548	1'	Ш	1	L						1	1		935	\vdash	\vdash	H	-	-						-	\dashv
14	F552	3′	Н	\coprod			1	-		Н	1	+	_	1004	+	\vdash	HH	-	-	. 5						
15	F553	3′	11	Н	┡		\vdash	-			1	╀		1030	+	H	H	-	\neg							
14	F560 F561	3'	1	1	+	1		-			V	\dagger	1	1007	1	1	V									
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affiliates or successors arising out of or related to the performance Relinquished By:	Date: 4-25 Receive	ved By:	Verbal Result:
Relinquished By:	Date: Receiv	ved By:	REMARKS:
Delivered By: (Circle One)	bserved Temp. °C 1,3	Campic Contaction	Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #443
Sampler - UPS - Bus - Other:	orrected Temp. °C 1.4	Yes Yes	Thermometer ID #413 To 3c Tes Tes Corrected Temp. °C

Received by OCD: 3/17/2025 10:29:32 AM



February 19, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD RANCH CANYON 7 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 02/13/25 14:25.

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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

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: 02/13/2025 Sampling Date: 02/11/2025

Reported: 02/19/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

A ... - b ... - d D. .. 711

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 10 2' (H250886-01)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	160	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 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: 02/13/2025

Sampling Date: 02/11/2025

Reported: 02/19/2025
Project Name: 02/19/2025
OLD RANCH CANYON 7 FEDERAL #001

Sampling Type: Soil

Project Number: 03B1417205

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 11 2' (H250886-02)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 5	% 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	32.0	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 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: 02/13/2025 Reported: 02/19/2025

OLD RANCH CANYON 7 FEDERAL #001

Project Name: OLD RANCH
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 02/11/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 30 6' (H250886-03)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 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	528	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 02/13/2025 Reported:

02/19/2025 Sampling Type: Sampling Condition:

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631 Sampling Date: 02/11/2025 Soil

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: FS 45 6' (H250886-04)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 %	6 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	432	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	90.2 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 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: 02/13/2025 Reported:

02/19/2025 OLD RANCH CANYON 7 FEDERAL #001

Project Name: Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631 Sampling Date: 02/11/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: FS 59 6' (H250886-05)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 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	512	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 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: 02/13/2025 Sampling Date: 02/12/2025

Reported: 02/19/2025 Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Type: Soil

Project Number: 03B1417205 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: SW 07 0-6' (H250886-06)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	256	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.6	% 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: 02/13/2025 Reported:

02/19/2025

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631 Sampling Date: 02/12/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW 08 0-6' (H250886-07)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 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	640	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.6	% 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: 02/13/2025 Reported: 02/19/2025 Sampling Date: 02/12/2025 Sampling Type: Soil

Project Name:

02/19/2025 OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Cool & Intact

Project Number:

BTEX 8021B

03B1417205

Sample Received By:

Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: SW 10 0-6.5' (H250886-08)

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	384	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.3	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keine



Analytical Results For:

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

Received: 02/13/2025 Reported:

02/19/2025 OLD RANCH CANYON 7 FEDERAL #001

Project Name: Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631 Sampling Date: 02/12/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: FS 29 5' (H250886-09)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 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	448	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.9	% 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: 02/13/2025 Reported: 02/19/2025

 02/13/2025
 Sampling Date:
 02/12/2025

 02/19/2025
 Sampling Type:
 Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

ma/ka

Sample ID: FS 55 6.5' (H250886-10)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 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	224	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.4	% 49.1-14	8						

Analyzed By: 14

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Celeg & Freene



Analytical Results For:

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

Received: 02/13/2025

Sampling Date: Sampling Type:

Sample Received By:

Reported: 02/19/2025
Project Name: 02/19/2025
OLD RANCH CANYON 7 FEDERAL #001

Sampling Type: Soil
Sampling Condition: Cool & Intact

02/12/2025

Tamara Oldaker

Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

ma/ka

Sample ID: FS 56 6.5' (H250886-11)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	384	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	73.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.0	% 49.1-14	8						

Analyzed 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: 02/13/2025 Sampling Date:

02/12/2025

Reported: Project Name: 02/19/2025

Sampling Type:

Soil

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location: 03B1417205

OXY 32.4107857,-104.5352631

Sample ID: FS 58 6.5' (H250886-12)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 %	% 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	288	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	74.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.9	% 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: 02/13/2025 Sampling Date: 02/12/2025

Reported: Project Name:

RTFY 8021R

02/19/2025 OLD RANCH CANYON 7 FEDERAL #001

ma/ka

Sampling Type: Soil

Project Number:

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

03B1417205 Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 21 4' (H250886-13)

B1EX 8021B	mg/	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 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	272	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	74.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.8	% 49.1-14	8						

Analyzed By: 14

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Celey D. Keene



Analytical Results For:

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

Received: 02/13/2025 Sampling Date: 02/12/2025

Reported: Project Name: 02/19/2025

Sampling Type: Soil

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 22 4' (H250886-14)

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	02/14/2025	ND	2.04	102	2.00	2.97	
Toluene*	<0.050	0.050	02/14/2025	ND	2.23	112	2.00	8.30	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.40	120	2.00	11.7	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	7.40	123	6.00	11.0	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 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	528	16.0	02/14/2025	ND	480	120	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	02/14/2025	ND	195	97.6	200	3.05	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	184	92.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	74.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.6	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Page 17 of 18

Released to Imaging: 6/11/2025 3:24:26 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manag	er: Samantha Mack	enzie					_			B	ILL 1	TO						^	MAI	VOIC				
Address: 601	N Marienfeld Stre	et suite 400					_	P.O.	#:					T	T	T		Ť	INAL	1515	RE	QUE	ST	
City: Midland	1	State: TX		7070			_	Com	par	1y: () YXC	JSA I	nc.	7										
Phone #: 703-	357-3545		Zip:	7970 ⁻			_/	Attn:	W	ade	Dittri	ch		1						- 1	- 1			-
Project #: 03B	1417205	Fax #:					1	Addr	ess	:				1										
roject Name:	Old Ranch Canyo	Project Own	er:					City:						1									.	
roject Locatio	n: 32.4107857, -1	04 5352631	101				s	tate	: N	M	Zip:						-						- 1	
ampler Name:	Uriel Santillana	7.0002031					P	hon	e #:					1										
FOR LAB USE ONLY				_		TRIX	F	ax#						10					- 1					
Lab I.D.	F5 10 F5 11 F5 30 F5 45	Depth (feet)	O (G)RAB OR (C)OMP.	GROUNDWATER		OIL SELECTION	OTHER:			OTHER:		5 10	00 05 10	+X Chlorid	XATOX	10-X								
5 7 8 9 10 E NOTE: Liability and Da	FS59 SW07 SW08 SW10 FS29 F555 mages. Cardinal's liability and clien see for negligence and any other can be liability for incidental or consequence of or related to the performance of or related to the performance of the related to the related to the performance of the related to the related to the related to the performance of the related to the related	6' 0-6' 0-6' 0-6.5' 5' 6.5'	claim arising v	hether ba	ed in co	Ontract				2	112/2	5 111 111 110 92	04 1 5 7 3											

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its sub-

Relinquished By: Relinquished By:	quental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, Dete: 3-25 Received By: Verbal Result:	
Delivered Du (C)	Date: Received By: Smackenzie@ensolum.com kthomason@ensolum.com usantillana@ensolum.com REMARKS:	com
Sampley LIDO -	Sample Condition CHECKED BY: Cool Intact C	\dashv
	† Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabenm compared to the contract of the co	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 18

Reteased to Imaging: 6/11/2025 3:24:26 PM

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

Project Manag	ne: Ensolum, LLC ger: Samantha MacKe	enzie						_			100	ILL T	0			-			AN	IALY	SIS F	REQU	FST		
Address: 601	N Marienfeld Stree	et suite 400							P.O.						T		T		T	1	1	LQU			
City: Midland	d	State: TX	-	ip: 79	270	1						DXY U		Inc.											
Phone #: 703-	357-3545	Fax #:	21	p: / s	010	1						Dittric	h												
Project #: 03B	1417205	Project Own	051						Add		s:								1.						
roject Name:	Old Ranch Canyon	7 Federal #0	er: 101						City:		The second second														
roject Locatio	on: 32.4107857, -10	4.5352631	01									Zip:													
ampler Name:	Uriel Santillana								Phor		ŧ:														
FOR LAB USE ONLY			Т	П	_	MA	TRIX	F	ax #		ERV.			LING] , .										
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE OTHER .						TIME	Chlorid	の イ に メ ス に ス	HOY								
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13	F521	4'	Н	+	+		+	+	\vdash	1			_	1000		1	1							-+	-
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service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incur ver shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

Relinquished By: Relinquished By:	Date: Received By: Date: Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #
Sampler LIDS D	Time: Sample Condition CHECKED BY: Cool Intact (Initials) Yes Yes No No No † Cardinal cannot accept verbal changes. Please email ch	Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C



February 21, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD RANCH CANYON 7 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 02/17/25 17:10.

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

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

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

Accreditation applies to public drinking water matrices.

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: 02/17/2025 Sampling Date: 02/17/2025

Reported: 02/21/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: ** (See Notes)
Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 04 (4') (H250947-01)

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	02/19/2025	ND	2.15	108	2.00	4.67	
Toluene*	<0.050	0.050	02/19/2025	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.30	115	2.00	3.90	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.12	119	6.00	3.54	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	02/18/2025	ND	416	104	400	3.77	
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	02/18/2025	ND	211	105	200	0.663	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	195	97.3	200	0.388	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 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: 02/17/2025 Reported: 02/21/2025 Sampling Date: 02/17/2025

Reported: Project Name: Sampling Type:

Soil

** (See Notes)

Project Number

OLD RANCH CANYON 7 FEDERAL #001

mg/kg

Sampling Condition: Sample Received By:

Tamara Oldaker

Project Number:

BTEX 8021B

03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 08 (2') (H250947-02)

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	4.67	
Toluene*	<0.050	0.050	02/19/2025	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.30	115	2.00	3.90	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.12	119	6.00	3.54	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 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	32.0	16.0	02/18/2025	ND	416	104	400	3.77	
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	02/18/2025	ND	211	105	200	0.663	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	195	97.3	200	0.388	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

Analyzed By: JH

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: 02/17/2025 02/21/2025 Sampling Date: 02/17/2025

Reported:

Sampling Type:

Soil

Project Name:

BTEX 8021B

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: Sample Received By: ** (See Notes) Tamara Oldaker

Project Number:

03B1417205

mg/kg

Project Location:

OXY 32.4107857,-104.5352631

Sample ID: FS 09 (2') (H250947-03)

DIEX GOZID	ıııg,	- Kg	Allulyzo	.u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	4.67	
Toluene*	<0.050	0.050	02/19/2025	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.30	115	2.00	3.90	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.12	119	6.00	3.54	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	80.0	16.0	02/18/2025	ND	416	104	400	3.77	
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	02/18/2025	ND	211	105	200	0.663	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	195	97.3	200	0.388	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

Analyzed By: JH

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Celecy D. Keene



Analytical Results For:

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

Received: 02/17/2025 Reported:

Sampling Date: 02/17/2025 Sampling Type: Soil 02/21/2025

Project Name: OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: ** (See Notes) Project Number: 03B1417205 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 10 (4') (H250947-04)

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	02/19/2025	ND	2.15	108	2.00	4.67	
Toluene*	<0.050	0.050	02/19/2025	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.30	115	2.00	3.90	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.12	119	6.00	3.54	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	304	16.0	02/18/2025	ND	416	104	400	3.77	
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	02/18/2025	ND	211	105	200	0.663	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	195	97.3	200	0.388	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 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: 02/17/2025

Sampling Date: 02/17/2025

Reported: 02/21/2025
Project Name: OLD RANCH CANYON 7 FEDERAL #001

Sampling Type: Soil

Project Number: 03B1417205

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 11 (2') (H250947-05)

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	02/19/2025	ND	2.15	108	2.00	4.67	
Toluene*	<0.050	0.050	02/19/2025	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.30	115	2.00	3.90	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.12	119	6.00	3.54	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	64.0	16.0	02/18/2025	ND	416	104	400	3.77	
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	02/18/2025	ND	187	93.4	200	2.12	
DRO >C10-C28*	10.4	10.0	02/18/2025	ND	189	94.4	200	9.04	
EXT DRO >C28-C36	18.9	10.0	02/18/2025	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

Analyzed By: 14

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Celey D. Keene



Analytical Results For:

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

Received: 02/17/2025 Sampling Date: 02/17/2025

Reported: 02/21/2025 Project Name:

Sampling Type: Soil

OLD RANCH CANYON 7 FEDERAL #001 Project Number: 03B1417205

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 23 (9') (H250947-06)

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	02/19/2025	ND	2.15	108	2.00	4.67	
Toluene*	<0.050	0.050	02/19/2025	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.30	115	2.00	3.90	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.12	119	6.00	3.54	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 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	176	16.0	02/18/2025	ND	416	104	400	3.77	
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	02/18/2025	ND	187	93.4	200	2.12	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	189	94.4	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 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: 02/17/2025 Sampling Date: 02/17/2025

Reported: Project Name: 02/21/2025

Sampling Type: Soil

Project Number:

OLD RANCH CANYON 7 FEDERAL #001

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sample ID: FS 29 (7') (H250947-07)

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	02/19/2025	ND	2.15	108	2.00	4.67	
Toluene*	<0.050	0.050	02/19/2025	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.30	115	2.00	3.90	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.12	119	6.00	3.54	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 %	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	368	16.0	02/18/2025	ND	416	104	400	3.77	
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	02/18/2025	ND	187	93.4	200	2.12	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	189	94.4	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					
Surrogate: 1-Chlorooctane	104 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 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: 02/17/2025 Reported: 02/21/2025

OLD RANCH CANYON 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631 Sampling Date: 02/17/2025

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: SW 01 (0-1') (H250947-08)

Project Name:

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	02/19/2025	ND	2.15	108	2.00	4.67	
Toluene*	<0.050	0.050	02/19/2025	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.30	115	2.00	3.90	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.12	119	6.00	3.54	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 %	6 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	48.0	16.0	02/18/2025	ND	416	104	400	3.77	
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	02/19/2025	ND	213	106	200	2.85	
DRO >C10-C28*	386	10.0	02/19/2025	ND	199	99.7	200	3.52	
EXT DRO >C28-C36	48.6	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	103 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 %	6 49.1-14	8						

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*=Accredited Analyte

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keine

Received by OCD: 3/17/2025 10:29:32

Page 11 of 11

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ADDI ALDI IES

Company Name:	EMSOLUM, LLC		BILL TO								- 1	ANAL	YSIS	REC	QUES	Т		_			
	SAMANTHA MACKE	NZIE	E			P.O). #:											. "			
	N MARIENFIELD					Cor	mpany:														
City:	SLAND State: TX	Zip:	797	01		Attı	n: []	40	E DIT	TRICH											- 1
Phone #: 703	357 3545 Fax #:					Add	dress:														- 1
Project #: 0.3	B1417205 Project Owner	. C	Ox7				y:							^							
Project Name:	EDAY COUNTY	^					ite:		Zip:					- 4							- 1
Project Location	OLD RANCH CANYON	77	DER	46 7	1001	Pho	one #:				~		2								- 1
	WAEH AZUKA	*				Fax	x #:	_					4500								
FOR LAB USE ONLY				MATE	XIX		PRESE	RV.	SAMP	LING	1	6									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM	GROUNDWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	BTEX 8021	TPH 8015	CHLORIBE		76.	,				ě	
TIESO LIL	7504 (4')	C		×			*		217 25		X	X	×					_			
	7508 (2')	c		×			X		10	1000	X	×	×					_			-
3	7509 (2')	C		×			X		1)	1002	X	×	×								 \dashv
4	FS10 (4')	C		×			×			1310	X	×	×					-	_		-
5	FS11 (21)	C		X			*			1006	×	*	×			-	, A	-			\vdash
6	F523 (5')	C		×	_		×		5	1430	X	×			_		_	-		-	\vdash
7	F529 (7')	C	1	*			7		(×	×	×		_			-		_	H
8	SW01 (0-1')	C		+			+	Н	2 17 25	1012		X	×								H
		\vdash		++	+	-												-			H
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affiliates or successors arising out of or related to the perform	mance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated	Verbal Result: ☐ Yes ☐ No Add'I Phone #:
Relinquished By:	Date: Received By:	All Results are emailed. Please provide Email address:
NITTO	1 23	All Results are emailed. Please provide Linan address.
1 Was	Time: ALLIALA I NAME VA	AT .
	1710 - Jamary Wally M	
		REMARKS:
Relinquished By:	Date: Received By:	The HOLD WAR
176		
2/1	Time:	
	21.7/25	
B. II I B. (Oirele Ore)	Observed Temp. °C G 7 Sample Condition CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition
Delivered By: (Circle One)	1-10-10-1-1	Rush Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C / O. O Yes Yes	
	No No No	Correction Factor +0.3°C No No Corrected Temp. °C
FORM-000 R 3.0 02/12/23		1 July Lord Condition lighten moom

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



March 10, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD RANCH CANYON 7 FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 03/04/25 14:05.

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

Cardinal Laboratories is 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: 03/04/2025 Sampling Date: 02/28/2025

Reported: 03/10/2025 Sampling Type: Soil

Project Name: OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool & Intact
Project Number: 03B1417205 Sample Received By: Shalyn Rodriguez

A I J D. ... 711

Project Location: OXY 32.4107857,-104.5352631

Sample ID: SW 01 0-1' (H251281-01)

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	03/05/2025	ND	2.08	104	2.00	3.23	
Toluene*	<0.050	0.050	03/05/2025	ND	2.21	111	2.00	3.67	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.34	117	2.00	2.81	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.20	120	6.00	2.65	
Total BTEX	<0.300	0.300	03/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 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	03/05/2025	ND	400	100	400	3.92	
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	03/05/2025	ND	212	106	200	6.39	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	192	96.1	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					
Surrogate: 1-Chlorooctane	85.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.9	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

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

Received: 03/04/2025 Reported: 03/10/2025

03/10/2025 Sampling Type:

Analyzed By: 14

Project Name: OLD RANCH CANYON 7 FEDERAL #001
Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 02/28/2025

Soil

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

Sample ID: SW 08 0-6' (H251281-02)

RTFY 8021R

BIEX 8021B	mg	^и кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.08	104	2.00	3.23	
Toluene*	<0.050	0.050	03/05/2025	ND	2.21	111	2.00	3.67	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.34	117	2.00	2.81	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.20	120	6.00	2.65	
Total BTEX	<0.300	0.300	03/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	131	% 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	592	16.0	03/05/2025	ND	400	100	400	3.92	
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	03/05/2025	ND	212	106	200	6.39	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	192	96.1	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					
Surrogate: 1-Chlorooctane	96.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	95.1	% 40.6-15	3						

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Analytical Results For:

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

Received: 03/04/2025 Reported: 03/10/2025

OLD RANCH CANYON 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY 32.4107857,-104.5352631

Sampling Date: 02/28/2025

Sampling Type: Soil

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

Sample ID: FS 24 4.5' (H251281-03)

Project Name:

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	03/05/2025	ND	2.08	104	2.00	3.23	
Toluene*	<0.050	0.050	03/05/2025	ND	2.21	111	2.00	3.67	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.34	117	2.00	2.81	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.20	120	6.00	2.65	
Total BTEX	<0.300	0.300	03/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	130	% 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	496	16.0	03/05/2025	ND	400	100	400	3.92	
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	03/05/2025	ND	212	106	200	6.39	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	192	96.1	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.2	% 40.6-15	3						

Analyzed 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: 03/04/2025

Sampling Date: 02/28/2025

Reported: Project Name:

RTFY 8021R

03/10/2025 Sampling Type: Soil
OLD RANCH CANYON 7 FEDERAL #001 Sampling Condition: Cool

Project Number: 03B1417205

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

Project Location: OXY 32.4107857,-104.5352631

Sample ID: SW 09 0-4' (H251281-04)

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	03/05/2025	ND	2.08	104	2.00	3.23	
Toluene*	<0.050	0.050	03/05/2025	ND	2.21	111	2.00	3.67	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.34	117	2.00	2.81	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.20	120	6.00	2.65	
Total BTEX	<0.300	0.300	03/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 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	592	16.0	03/05/2025	ND	400	100	400	3.92	
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	03/05/2025	ND	212	106	200	6.39	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	192	96.1	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	92.1	% 40.6-15	3						

Analyzed By: 14

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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

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Celey D. Keene

Released to Imaging: 6/11/2025 3:24:26 PM

Received by OCD: 3/17/2025 10:29:32 AM

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(575) 393-2326 FAX (5		76				_			RII	LL T	0					-	ANAL	YSIS	REC	QUEST	 	_
Company Name:). #:	Dil													
Project Manager:	Squartha mac	Bentie						-		/	DVV	15	٨										
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Phone #: 703	-357-35 45 Fa	x #:							dress	S :													
Project #: 63B	1417205 Pro	oject Owner	:	1 11 201			Cit																
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			_	MATRIX					x #:	SERV.		SAMP	LING	30,5	8015	2							
FOR LAB USE ONLY			۵.	П		WATE	XIX.		1					82	00	9							
Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)O	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL OTHER:		ATE	TIME	BTEX	TPH	Chloride				-			
H251281	SWOI	0-1	C	١		X				Y	2/38	125	1130		X	X	-	-	-	+			
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

affiliates or successors arising out of or related to the performant Relinquished By:	Date: 425	Received By:	Verbal Result: ☐ Yes ☐ No ☐ Add Friting #: All Results are emailed. Please provide Email address:
	Time; 405	Spooler grue	Smackenzie @ Ensolum. com REMARKS:
Relinquished By:	Date:	Received By:) KEMANIO.
Circle One)	Time: Observed Temp. °C	Sample Condition CHECK	Rusii Cool littact
Donitor en = j. (Cool Intact (Init	Thermometer ID #148

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 442981

QUESTIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	442981
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB0432755192
Incident Name	NMLB0432755192 OLD RANCH CANYON 7 FEDERAL #001 @ 30-015-28011
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-28011] OLD RANCH CANYON 7 FEDERAL #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	OLD RANCH CANYON 7 FEDERAL #001
Date Release Discovered	11/10/2004
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Coupling Produced Water Released: 290 BBL Recovered: 260 BBL Lost: 30 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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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 442981

Santa	1 e, 14141 07 505	
QUESTIONS (continued)		
Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 442981 Action Type:	
QUESTIONS	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
	ation 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 releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases 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 t 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 Date: 03/17/2025	

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 442981

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	442981
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)	
What method was used to determine the depth to ground water	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 and 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 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)	
A wetland	Between 300 and 500 (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 1 and 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated 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 millig	grams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	33200	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1088	
GRO+DRO (EPA SW-846 Method 8015M)	822	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence 08/29/2024		
On what date will (or did) the final sampling or liner inspection occur	02/28/2025	
On what date will (or was) the remediation complete(d)	02/28/2025	
What is the estimated surface area (in square feet) that will be reclaimed	21415	
What is the estimated volume (in cubic yards) that will be reclaimed	2144	
What is the estimated surface area (in square feet) that will be remediated	21415	
What is the estimated volume (in cubic yards) that will be remediated	2144	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 442981

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	442981
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	No	
OR is the off-site disposal site, to be used, an NMED facility	No	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No	
(In Situ) Soil Vapor Extraction	No	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No	
Ground Water Abatement pursuant to 19.15.30 NMAC	No	
OTHER (Non-listed remedial process)	No	

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

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

Name: Wade Dittrich Title: Environmental Coordinator I hereby agree and sign off to the above statement Email: wade_dittrich@oxy.com Date: 03/17/2025

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

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 442981

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	442981
	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

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QUESTIONS, Page 6

Action 442981

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	442981
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	435324
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/28/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	15367

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all re	emediation 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	21415
What was the total volume (cubic yards) remediated	2144
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	21415
What was the total volume (in cubic yards) reclaimed	2144
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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 03/17/2025
--	--

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QUESTIONS, Page 7

Action 442981

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	442981
	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

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CONDITIONS

Action 442981

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	442981
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Creat By		Condition Date
nve	z None	6/11/2025