

January 9, 2025

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

Re: Remediation Work Plan

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 *Remediation Work Plan* (*Work Plan*) 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. The following Work Plan proposes to excavate impacted soil within the top 1 foot to 5 feet below ground surfce (bgs) of the historical release extent.

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 2** 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 2** in **Appendix A**. The Well Record is included in **Appendix B**.

Oxy USA, Inc. Remediation Work Plan Old Ranch Canyon 7 Federal #001 January 9, 2025

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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, 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. 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 1** (**Appendix A**). Photographic documentation was completed during the Site visit and a Photographic Log is included in **Appendix C**.

FIELD SCREENING RESULTS

Results for the delineation soil samples (DS01 through DS09) indicated that VOCs, TPH, and/or chloride concentrations were below the Closure Criteria at depths of 0.25 feet bgs. Results for the pothole delineation soil samples [PH02 (0.5 and 4 feet bgs), PH03 (3 feet bgs), PH04 (0.5 and 4 feet bgs), and PH05 (0.5 feet bgs)] and confirmation soil samples (CS19, CS28, CS35, CS36, CS39, CS44, CS46, CS47, CS48, and CS57 through CS60 [each collected at 0.25 feet bgs]) indicated that TPH and/or chloride concentrations exceeded the Closure Criteria at depths ranging from 0.25 feet bgs to 4 feet bgs. The terminal depth sample collected from delineation pothole PH01 (1 foot bgs) and PH05 (3 feet bgs) indicated concentrations of all COCs were compliant with the Closure Criteria and successfully defined the vertical extent of impacted soil in those areas.

Once excavation activities are completed, official excavation composite floor and sidewall soil samples will be collected every 200 square feet. Samples will be placed in pre-cleaned glass jars labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The samples will be transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of BTEX, following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM-4500 CI-B.

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PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soils containing elevated TPH and/or chloride concentrations exist across an approximate 20,481 square foot area and extends to a maximum depth of 5 feet bgs. Oxy proposes to complete the following remediation activities:

- Excavation of impacted soil to varying depths of 1 foot to 5 feet bgs based on the pothole
 delineation field screening soil sample results. Excavation will proceed vertically and laterally
 until the excavation floor and sidewall samples confirm benzene, total BTEX, TPH, and chloride
 concentrations are compliant with the applicable Closure Criteria.
- An estimated 1,172 cubic yards of impacted soil will be excavated. The excavated soil will be transferred to a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions

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

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

Beaux Jennings

Associate Principal

Sincerely, **Ensolum, LLC**

Samantha MacKenzie Staff Geologist

Jamasku Malkenne

Wade Dittrich, Oxy USA, Inc. Tyson Pierce, Oxy USA, Inc.

New Mexico Bureau of Land Management

Appendices:

CC:

Appendix A Figures

Appendix B Supporting Documentation

Appendix C Photographic Log

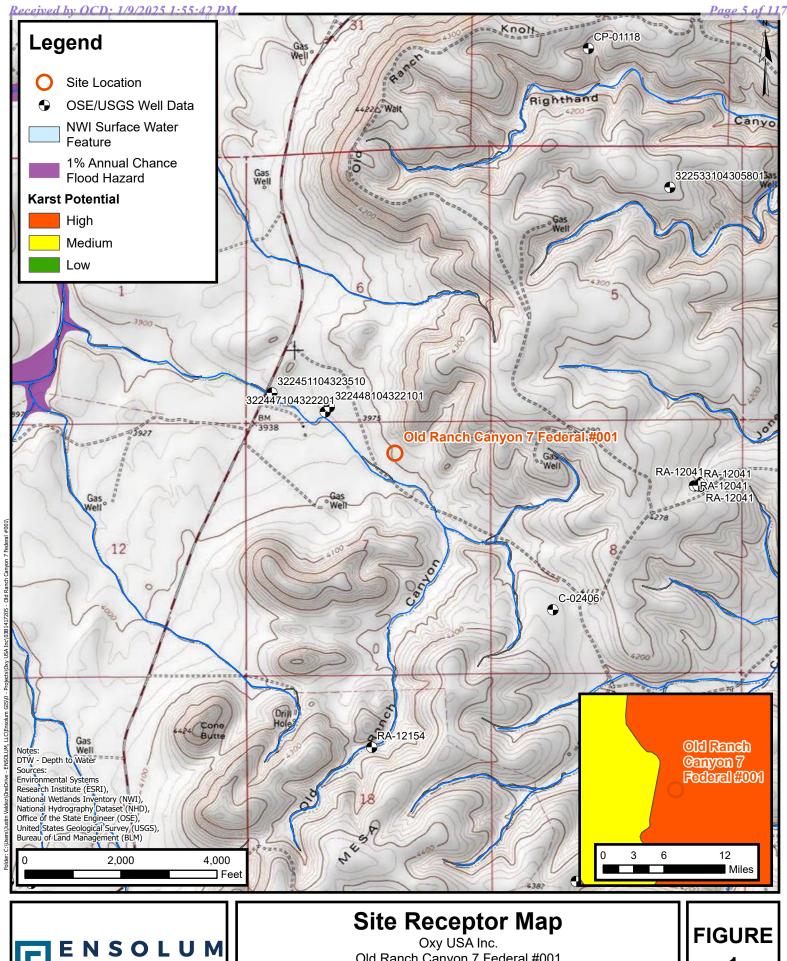
Appendix D Table

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



APPENDIX A

Figures

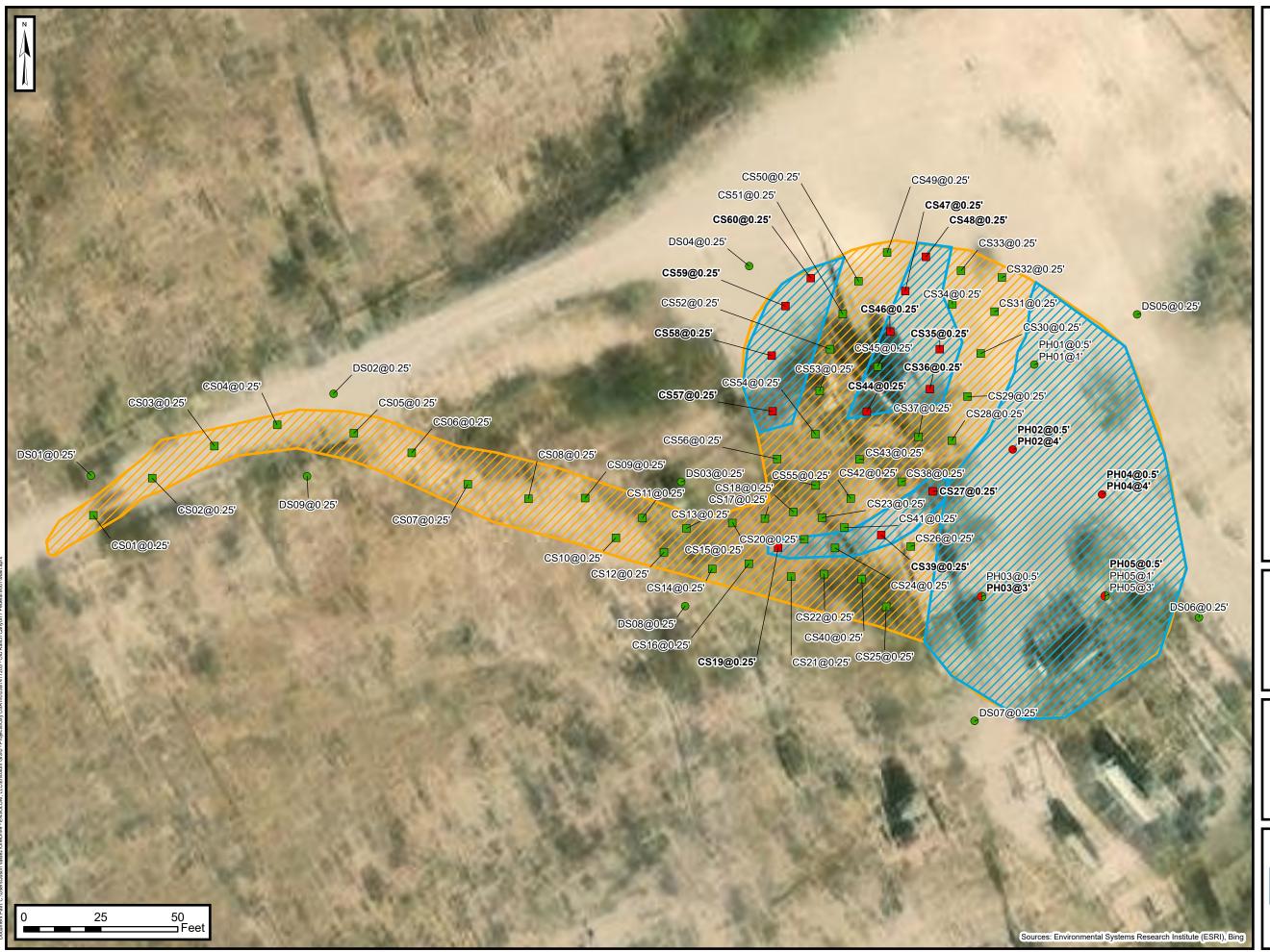




Old Ranch Canyon 7 Federal #001 Incident Number: NMLB0432755192 Unit B, Section 07, T 22S, R 24E Eddy County, New Mexico

Released to Imaging: 1/23/2025 9:59:30 AM

Received by OCD: 1/9/2025 1:55:42 PM



Legend

- Confirmation Soil Sample in Compliance with Closure Criteria
- Confirmation Soil Sample with
 Concentrations Exceeding
 Closure Criteria
- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with
 Concentrations Exceeding
 Closure Criteria
- Delineation Soil Sample with
 Concentrations Previously
 Exceeding Closure Criteria
- Excavation Extent
- Release Extent

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

Excavation Dig 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

State of New Mexico
Energy Minerals and Natural Resource

Substitution

Form C-141 Revised October 10, 2003

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

1220 S. St. Fran	icis Dr., Sant	a Fe, NM 8750:	5	Sar	nta F	e, NM 875	05		4/	side of form
0-015-				ease Notifica	atio	n and Co	rrective A	ction		
MLBO	4327	55192	<u>-</u>			OPERA'	ΓOR	⊠ In	itial Report	Final Repor
Name of Co	ompany: I	Devon Energ	y Produc	tion Co. LP		Contact: Je	nnifer Van Cure			
); Artesia, N					No.: 505-748-0	160		
Facility Na	me: Old R	anch Canyo	n 7 Fed 1			Facility Typ	e: Battery	·		
Surface Ow	ner			Mineral Ov	wner			Leas	e No.	
				LOCA'	TIO	N OF RE	LEASE			
Unit Letter	Section	Township	Range			/South Line	Feet from the	East/West Lin	e County	
В	7	22S	24E	660	North	า	1930	East	Eddy	
	<u> </u>	L	<u> </u>	<u> </u>				<u> </u>		
			La	titude		Longitud	le			
				NATU	URE	OF REL	EASE			
Type of Rele	ase: Water						Release: 290		e Recovered: 2	
Source of Re	lease: Vict	aulic connecti	ion on 6" v	water line		Date and H	Iour of Occurrence		nd Hour of Disc 04: 4:30 am	overy
Was Immedi	ate Notice (Given?	¥	· · · · · · · · · · · · · · · · · · ·		If YES, To		11710/	04. 4.30 am	
		\boxtimes	Yes [] No 🗌 Not Req	quired	Mike Brate	cher			
By Whom?	Joe Huber						lour: 11/10/04: 7			
Was a Water	course Read] Yes ⊠	7 No.		If YES, Vo	olume Impacting t	he Watercourse		
									RECE	IVED
If a Waterco	ırse was Im	pacted, Descr	ibe Fully.	•					NÓV 1	7 2004
				•						
									OGD:AF	11 BENIA
		em and Reme								
		6" water line ned and puddl		lled 250 bbls PW ir	nside (dike with 40 b	bls leaking thru d	ike and traveling	g 300' off locati	on. Shut off flow.
v accumed u	p an contair	ied and puddi	eu water.							
Describe Are	a Affected	and Cleanup	Action Tal	cen *		····				
Inspection of	connection	indicated pip	e had been	n subject to movem	ent or	vibration wea	ring away at clan	np surfaces. Plar	to cement new	pipe and coupling
in place to pr	event move	ment. Waiting	g on furthe	er clean-up recomm	endat	ions from the	BLM / OCD.			
I hereby certi	fy that the i	information gi	iven above	e is true and comple nd/or file certain rel	te to	the best of my	knowledge and u	nderstand that p	ursuant to NMC	CD rules and
public health	or the envi	ronment. The	acceptant	ce of a C-141 report	t by th	nonneamons ar	iu periorm correct arked as "Final R	eport" does not	releases which it	nay endanger ator of liability
should their	perations h	ave failed to a	adequately	investigate and rer	nedia	te contaminati	on that pose a thre	eat to ground wa	iter, surface wat	er, human health
or the environ	nment. In a	ddition, NMC ws and/or regu	OCD accep	otance of a C-141 re	port o	does not reliev	e the operator of i	responsibility fo	r compliance wi	ith any other
leucial, state,)	ws and/or regi	nations.		Т		OIL CONS	SERVATIO	N DIVISIO	N
	/	-/ //	/	7	- 1		OIL CON	SERVATIO	N DIVISIO	<u> </u>
Signature	leleu	fer Va	u C	men						
Printed Name	: Jennifer	Van Curen			}	Approved by	District Supervise	or:		
	•				1	* * **				
Title: Produc	tion rield T	ech	<u> </u>			Approval Dat	e:	Expiration	on Date:	
E-mail Addre	ess: Jennife	r.vancuren@c	dvn.com		_	Conditions of	Approval:		Attached	
Date: 11/15/0)4		Ph	none: 748-0160						

^{*} Attach Additional Sheets If Necessary

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 \$	Method of \$ measurement	Measuring \$ agency	Source of \$ measurement	Water-level \$ approval status
1978-01-13		D	62610		3950.59	NGVD29	1	Z			А
1978-01-13		D	62611		3952.36	NAVD88	1	Z			А
1978-01-13		D	72019	13.64			1	Z			А
1983-01-25		D	62610		3950.81	NGVD29	1	Z			А
1983-01-25		D	62611		3952.58	NAVD88	1	Z			А
1983-01-25		D	72019	13.42			1	Z			А
Date \$	Time \$	Water-level date-time accuracy \$	Parameter code		level, feet above \$		Status		Measuring agency	Source of measurement	
				land surface	specific vertical datum	3					A
1992-11-04		D	72019	13.30			1	S			А
1998-01-30		D	62610		3950.25	NGVD29	1	S			A
1998-01-30		D	62611		3952.02	NAVD88	1	S			А
1998-01-30		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	A	Approved for publication Processing and review completed.



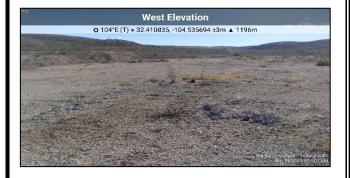
APPENDIX C

Photographic Log



Photographic Log

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





Photograph: 1 Date: 11/6/2022

Description: Soil staining in release footprint

View: West

Photograph: 2 Date: 11/6/2024

Description: Soil staining in release footprint

View: South





Photograph: 3

Description: Pothole activities

View: West

Photograph: 4 Date: 11/6/2022

Description: Backfilling activities

View: North

Date: 11/6/2024



APPENDIX D

Table

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)
	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							
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	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	33,200
	11/06/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,920
DUOS	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
	11/06/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
0004	40/44/0004	0.05	2.252		Confirmation Soil			40.0	10.0	40.0	100	
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

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)
	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



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
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

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

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

ENSOLUM

APPENDIX E

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: 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 01 0.25' (H246256-01)

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	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		Analyzed 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						

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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: 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 02 0.25' (H246256-02)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	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, SM4500Cl-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	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	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:

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 03 0.25' (H246256-03)

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	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	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.6	% 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 Sa

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 04 0.25' (H246256-04)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	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	Chloride, SM4500Cl-B mg/kg			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	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. 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

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

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition:

Project Number: 03B1417205

Cool & Intact 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, SM4500Cl-B mg/kg			Analyze	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	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



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 06 0.25' (H246256-06)

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	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	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	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.2	% 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 OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY

Project Name:

Sampling Date: 10/14/2024

Sampling Type: Soil

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

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, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	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	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

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

Project Name: OLD CANYON RAN 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)

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	2.05	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	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						

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 Tamara Oldaker Sample Received By:

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

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	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	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

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 10 0.25' (H246256-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	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

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 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	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	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	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 12 0.25' (H246256-12)

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	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	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	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 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:

Analyzed By: JH

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

Project Location: OXY

Sampling Type: Soil
Sampling Condition: Cool & Intact

10/14/2024

Tamara Oldaker

Sampling Date:

Sample Received By:

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

BTEX 8021B

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

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, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	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	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

87.0 %

88.3 %

48.2-134

49.1-148



10/21/2024

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

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: Sampling Type:

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 14 0.25' (H246256-14)

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 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	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						

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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 15 0.25' (H246256-15)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	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

Sampling Date: 10/14/2024

Reported: 10/21/2024

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 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 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	<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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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 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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10/14/2024

Soil

Analytical Results For:

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

Received: 10/15/2024 Reported:

Sampling Date: Sampling Type: 10/21/2024

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

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

Analyzed By: JH

Project Location: OXY

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

BTEX 8021B

DILX GOZID	mg/ kg		Alluly2cu 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: 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		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	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						

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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 19 0.25' (H246256-19)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/16/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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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10/14/2024

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

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

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

Sampling Date:

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	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	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 Reported: 10/21/2024

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

 10/21/2024
 Sampling Type:
 Soil

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

Sampling Condition: Sample Received By: Cool & Intact 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, 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	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 Reported: 10/21/2024

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

 10/21/2024
 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 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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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 Project Number: 03B1417205

Project Location: OXY Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

10/14/2024

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	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	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

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 24 0.25' (H246256-24)

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	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	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*	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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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 25 0.25' (H246256-25)

BTEX 8021B

DILX OUZID	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	95.3	% 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	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 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: 10/15/2024 Reported: 10/21/2024

10/21/2024 Sampling Type:

Applyzod By: 14

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

Project Location: OXY

RTFY 8021R

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

Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

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

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	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	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	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	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 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
Sampling Type: Soil

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

Sampling Type: Soil
Sampling Condition: Cool & Intact

Project Number: 03B1417205

Sample Received By: Tamara Oldaker

Project Location: OXY

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

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	2.20	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						

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

Reported: 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 28 0.25' (H246256-28)

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: 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 Reported:

10/21/2024

Sampling Date: Sampling Type:

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

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

10/14/2024

Soil

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, SM4500Cl-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	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

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 30 0.25' (H246256-30)

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	99.5	% 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	352	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	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
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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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

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

Sampling Date:

Project Number: 03B1417205

Project Location: OXY

Project Name:

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

10/14/2024

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

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	102	% 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	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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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 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		Analyzed 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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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 Tamara Oldaker Sample Received By:

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

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	102 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	112	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	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 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 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 35 0.25' (H246256-35)

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, SM4500Cl-B	mg,	'kg	Analyzed 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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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 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						

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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 Tamara Oldaker Sample Received By:

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

BTEX 8021B	mg/	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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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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 38 0.25' (H246256-38)

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	101	% 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	544	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	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 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

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 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, SM4500Cl-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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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: 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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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 41 0.25' (H246256-41)

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	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 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 42 0.25' (H246256-42)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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

10/21/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001

Project Number: 03B1417205

Project Location: OXY

Reported:

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)

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, 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						

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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

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

Sampling Date:

Project Location: OXY

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	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	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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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:

Sampling Type: Soil

Project Name: Project Number:

RTFY 8021R

OLD CANYON RANCH 7 FEDERAL #001

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

10/14/2024

03B1417205 Project Location: OXY

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

Result <0.050 <0.050 <0.050 <0.150 <0.300	0.050 0.050 0.050 0.050 0.150	Analyzed 10/17/2024 10/17/2024 10/17/2024	Method Blank ND ND	BS 2.07 2.16	% Recovery	True Value QC 2.00	RPD 3.76	Qualifier
<0.050 <0.050 <0.150	0.050 0.050	10/17/2024				2.00	3.76	
<0.050 <0.150	0.050		ND	2 16				
<0.150		10/17/2024		2.10	108	2.00	8.94	
	0.150	10, 17, 2021	ND	2.29	114	2.00	12.2	
< 0.300	0.130	10/17/2024	ND	6.91	115	6.00	13.9	
	0.300	10/17/2024	ND					
98.7	% 71.5-13	4						
mg/kg		Analyzed By: HM						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	16.0	10/16/2024	ND	400	100	400	3.92	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/16/2024	ND	229	114	200	2.86	
<10.0	10.0	10/16/2024	ND	207	104	200	3.61	
41.0	10.0	10/16/2024	ND					
	% 48.2-13							
91.2	70.2-13	4						
	Result 16.0 mg/ Result <10.0 <10.0 41.0	mg/kg Result Reporting Limit 16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 41.0 10.0	mg/kg Analyzed Result Reporting Limit Analyzed 16.0 10/16/2024 Analyzed Result Reporting Limit Analyzed <10.0 10/16/2024 <10.0 10/16/2024 41.0 10.0 10/16/2024	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank 16.0 16.0 10/16/2024 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS 16.0 16.0 10/16/2024 ND 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery 16.0 16.0 10/16/2024 ND 400 100 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	mg/ky Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 16.0 16.0 10/16/2024 ND 400 100 400 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 16.0 16.0 10/16/2024 ND 400 100 400 3.92 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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

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 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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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 Reported: 10/21/2024

 10/15/2024
 Sampling Date:

 10/21/2024
 Sampling Type:

Analyzed By: JH

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 47 0.25' (H246256-47)

BTEX 8021B

	9/	9	7	<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	2.07	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	Analyze	d 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	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	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 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 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						

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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 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 49 0.25' (H246256-49)

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	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	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	77.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.3	% 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

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

roject Location. Oxi

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

BTEX 8021B

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, 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	10/17/2024	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	% 49.1-148	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 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 51 0.25' (H246256-51)

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	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		Analyze	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	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	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						

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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 R. 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 52 0.25' (H246256-52)

BTEX 8021B	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	2.07	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	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	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	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						

Surrogate: 1-Chlorooctadecane 67.1 % 49.1-148

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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 53 0.25' (H246256-53)

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	48.0	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.9	% 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

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

Project Number: 03B1417205

Project Location: OXY

Reported:

Sampling Date: 10/14/2024

Sampling Type: Soil

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

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

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	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, SM4500CI-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	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	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

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 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	% 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	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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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 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	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	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 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 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 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 58 0.25' (H246256-58)

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	<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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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 Project Number: 03B1417205

Project Location: OXY Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

10/14/2024

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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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 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 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	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 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 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 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	% 71.5-13	4						
Chloride, SM4500CI-B	/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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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	State: Zip: Phone #: 575-390-2828				-	1										
Sampler Name:		ada						*				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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analyses. 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 affiliates or successors arising out of or related to the performance of services hereunder by Cardinal received by Cardinal within 30 days after completion of the applicable affiliates or successors arising out of or related to the performance of services hereunder by Cardinal received by Cardinal received by Cardinal within 30 days after completion of the applicable affiliates or successors arising out of or related to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services hereunder by Cardinal received to the performance of services are the performance of services and the performance of services are the performance of services and the performance of services are the performan

Relinquished By:	To regard by Cardinal, regard	rdiess of whether such claim is based upon any of the above stated re	reasons or otherwise	
Kayry Shimada Relinquished By:	10-15-24 Receive	Sacrata Market	VI-ID	dd'l Phone #: Email address:
Delivered By: (Circle One)	Observed Temp. °C , 7	Sample Condition CHECKED BY:		
Sampler LIDS Due Out	Corrected Temp. °C_1.9	Cool by	Turnaround Time: Standard Rush Thermometer ID #112 #140 Correction Factor 2555 - 0.6 A	Cool Intact Observed Temp. °C
	† Cardinal cannot as	nont		Nc No Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam	Lindolalli, LLO								BILL TO									ΔΝΔ	I VS	IS D	REQUE	T93				
Project Manag									P	.0.					T	T	T	T		T	I	EQUE	101	Т		_
	1 N. Marienfeld St. STE	400							С	omi	pany:	(Oxy USA,	Inc.	1											
City: Midland		State: TX	Zip):	797	01							Dittrich		1											
Phone #: 703-	357-3545	Fax #:							1		ess:				1										1	
Project #: 03B	1417205	Project Owner	:						1	ity:					1											
Project Name:	Old Canyon Ranch 7 F								1	•			7:		1											
Project Location										State: Zip: Phone #: 575-390-2828				1												
Sampler Name:	Kaoru Shima	ada										01	70-030-20	20	1			1								
FOR LAB USE ONLY						M	ATRI	X	ra	PR	ESER	vI	SAM	PLING	-		_									
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Lab I.D. H246756	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	O HER	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500Cl	Hold								
17	cs II	0.25	С	1		V					V	1	10-14-2024	1318	1	1	1					\vdash				H
12	cs 2			1		1					1		1	1319	1	1	ĭ					+				\vdash
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14	cs 14		Ш	Ш										1324												\vdash
15	CS 15		П	Ш										1325												
14	CS 16		Ш	Ш										1326												\vdash
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18	cs 18		Ц	11										1327											-	\dashv
	CS 19													1329										-	-	-
EASE NOTE: Liability and	CS 20	V	1	Y		V				,	1		1		1		4						-		-	-1
alyses. All claims including	Damages. Cardinal's liability and clien those for negligence and any other ca	us exclusive remedy for any o	laim a	rising v	vhethe	r based	in cont	tract or	tort,	shall b	e limited	to th	ne amount paid I	by the client for th	ie											

analyses. 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 affiliates or successors arising out of or related to the performance of services haraunder by Cardinal without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By: Kown Shimado Relinquished By:	Date: Received Time: Received Received Received Received	Januara d	1111	Verbal Result: Yes No All Results are emailed. Please provi smackenzie@ensolum.com REMARKS:	Add'l Phone #: ide Email address:
Semalar UDS B	b served Temp. °C //3	Sample Condition Cool Infact Pes Pes No No	(Initials)	Turnaround Time: Standard Rush Thermometer ID #115 Correction Factor 950 - 0,6 c	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Elibolalli, EEO							BILL TO									ΑΝΔ	LYS	IS P	REQU	EST			_		
Project Manage									P.O	. #:					T	T	T	T	T	T	T .	LQU		Т	_	\top
	N. Marienfeld St. STE	400							Con	npa	nv:	0)	xy USA,	Inc.	1											
City: Midland		State: TX	Zip): 7	7970)1		_					Dittrich		1		1									
Phone #: 703-3	357-3545	Fax #:						-1	Add						1											
Project #: 03B1	417205	Project Owner	:					-1	City:		٥.				1											
Project Name: (Old Canyon Ranch 7 I							-	-			-			-											
Project Location								-	State: Zip: Phone #: 575-390-2828					-												
Sampler Name:	Kaoru Shima	ada						-			# : `	313	0-390-20	20	-											
FOR LAB USE ONLY				П	-	MAT	RIX	1	ax i	_	SERV.	_	CAMA	PLING	1		l _									
Lab I.D. 4246256 21	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	JIL TOWN TEN	OIL	HED	ACID/BASE	ICE / COOL	OTHER:				BTEX 8021B	TPH 8015M	Chloride 4500CI	Hold								
21	20 21	0.25		# (5 3		ō 0	2 5	S S	CE	0		DATE	TIME												
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34	cs 26		H	+	+	+	-	+	╀	1	\sqcup			1342												
27	cs 27		H	+	+	+	-	+	╀	Н	\sqcup			1343												
28	cs 78		H	+	+	+	+	-	1	H				1344												
28	cs 29			-	+	+	+		-					1343												
30	CS 30		-		-		+	-	-	1				1347							-					
EASE NOTE: Liability and I	Damages. Cardinal's liability and clien those for negligence and any other cardinals.	t's exclusive remedy for any	laim	VI_		V				V		1		1349	V	V	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 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,

string out of or related to the perform	mance of services hereunder by Cardinal regard	diggs of whether such alaim to t	ere, or roos of profits alculted by	chent, its subsidiaries,	
Relinquished By:	- Far enter) Tegal	areas of whether such claim is base	ed upon any of the above stated re	easons or otherwise.	
Knopy Shimada Relinquished By:	Date: Receiv	auwia da	11111	V-1-15	d'I Phone #: Email address:
	Time:				
Delivered By: (Circle One)	Observed Temp. °C /2	Sample Condition	CHECKED BY:	Turnaround Time: Standard X	
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.9	Cool Intact Yes Yes No No	(Initials)	Turnaround Time: Standard Kush Thermometer ID ##19 Correction Factor -0.55	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes
	+ Cardinal connet				☐ No ☐ No Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manage Address: 601	er: Samantha MacKer										E	H	LL TO						ANA	I VSI	SP	FOLI	TOT		
Address: 601									P	.O. #	:				T	T	T	T	T	T	T	LQUI	1	Т	
	N. Marienfeld St. STE	400							C	omp	any:	0	xy USA,	Inc.	1										
City: Midland		State: TX	Zi	p:	79	701					_	_	Dittrich		1										
Phone #: 703-3		Fax #:								ddre					1										
Project #: 03B1	417205	Project Owner	r:							ty:					1										
Project Name: (Old Canyon Ranch 7 F									ate:		-	7:		-										
Project Locatio											ш		Zip: 5-390-28	20	-										
Sampler Name:	Kaoru Shima	ada							1	one	#:	37.	0-030-20	20	-		1								
FOR LAB USE ONLY			Т	Т	Т	M	ATRI	x	ra	X#:	SERV	/	SAM	PLING	-		_								
- 1			AP.	ı				T				1	OAIIII	LING	١		4500CI								
Lab I.D. 4246256	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 45	Hold							
31	cs 31	0.25	С	1		V					1		0-14-2024	1350	1	./	./								-
33	cs 32			1							1	L	1		Y	Y	Y		\vdash						
31 32 33 34	cs 33													1352	\vdash	\vdash	H			-					
34	cs 34			Ш										1355		\vdash								-	
35 34	cs 35		Ш											1358			\vdash							-	-
29	cs 36		Ш											1359										-	-
37 38	cs 37		Ш											1401						-				-	-
28	CS 38		Ц											1403					-				-1	-	-
39 40	cs 39		Ц											1404					-	-			-	+	+
	CS 40 Damages. Cardinal's liability and client those for negligence and any other car	V	4	V		1				N		-	1		1	V	1			+			-	-	-

analyses. 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 affiliates or successors arising out of or related to the performance of services

Relinquished By: Com Shipmont Mook	Date: Received Time: 3 45 Date: Received Time: Received	green all affection	reasons or otherwise. Verbal Result: □ Yes ☒ No Add'l Phone #: All Results are emailed. Please provide Email address: smackenzie@ensolum.com REMARKS:
Samuel Line -	rected Temp. °C_1.9	Sample Condition CHECKED BY: Cool Intact (Initials) Yes Yes No No	Turnaround Time: Standard

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

Received by OCD:

Page 68 of 70



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
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40	cs 43											1		14119					-		-	+-		\vdash		_
44	cs 44											1		1410			-			-	-	-	\vdash			
45	cs 45			П							1	+		1411	H			-		-	-	-				
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: Cash Shimada Relinquished By:	Date: Receiv	lallara d	ldatak	1/ 1 / 5	l'I Phone #: mail address:
Samples UDO D	precised Temp. °C 1.3	Sample Condition Cool Intact Yes Yes No No	(Initials)	Turnaround Time: Standard Rush Thermometer ID #413 #140 E Correction Factor #550 #0.0 C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam Project Manage	Erisolarii, EEG										L	3//	LL TO						ANAL	YSI	SR	FOU	EST		
									F	2.0.	#:				T	T	T	T			T	LQUI		T -	
	N. Marienfeld St. STE	400							c	om	pany:	C	Dxy USA,	Inc.	7										
City: Midland		State: TX	Zij	o:	797	01			A	ttn:	Wad	de	Dittrich		1										
Phone #: 703-		Fax #:							A	ddr	ess:				1										
Project #: 03B1	1417205	Project Owner	r:	×					c	ity:					1										
Project Name:	Old Canyon Ranch 7 F	Federal #001								tate			Zip:		1										
Project Location											e #:		75-390-28	328	1										
Sampler Name:	Kaoru Shima	ada							1	ax #					1										
FOR LAB USE ONLY			Г			M	ATR	IX	1.	-	RESER	v.	SAM	PLING	1		=		1 1						
Lab I.D. H246256 57 52 53 54 55 56	Sample I.D.	Sample Depth (feet)		# CONTAINERS	GROUNDWATER			SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	CHEN.	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500Cl	Hold							
E2	cs 51	0.23	C	1	-	V		-		L	V	1	0-14-2024	1428	\checkmark	\checkmark	\checkmark								
-3	cs 57		+	\mathcal{H}	-	-	-			L		L		1430	1	1	1								
24	cs 54		Н	\mathbf{H}	-	\mathbb{H}	-	-				L		1431											
55	cs 55		+	\mathbf{H}	-	+	-					L		1433											
56	cs 56		Н	H	+	+	-			L	\perp	L		1435											
57	cs 57		+	\mathbf{H}	+				_	H	-	L		143-7	Ш										
58	CS 58		+	H	+		-		-			L		1438											
59	CS 59		+	H	+	+			-			-		1440											
60	CS 60		11.		+	1			\dashv			-	-	1441											
ASE NOTE: Liability and I	Damages. Cardinal's liability and client those for negligence and any other ca	t's exclusive remedy for any	claim a	rising v	vhethe	r based	in con	tract o	rtort	chall k	V limited i	1	*	1445	V.	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 applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, reparalless of whether such claim is based upon any of the above stated reasons or of the purpose.

Relinquished By: Kaoru Shimala Relinquished By:	Date: Receiv	lauara 1	1.11	Verbal Result: Yes No Ac All Results are emailed. Please provide smackenzie@ensolum.com	dd'I Phone #: Email address:
Sampler LIDS Bue Otto	bserved Temp. °C/. 3	Sample Condition Cool Intact Tes Yes No No	(Initials)	Turnaround Time: Standard X Thermometer ID #1113 #1100 Correction Factor 2050 O U C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam Project Manage	Lindolalli, LLC									B	ILL TO						ANALYS	IS R	FOLIE	ST	
								P	.0. #	t:			T	T	T	T	T I	T	LGOLG	-	П
	1 N. Marienfeld St. STE							С	omp	any:	Oxy USA,	Inc.	7								
City: Midland		State: TX	Zip	79	9701						e Dittrich		1								
Phone #: 703-		Fax #:						A	ddre	ss:			1								
Project #: 03B1	1417205	Project Owner	:						ity:				1						1 1		
Project Name:	Old Canyon Ranch 7 F	ederal #001							ate:		Zip:		1								
Project Location									none		575-390-28	20	1								
Sampler Name:	Kaoru Shima	ada						1	x #:		770 000-20	20	1								
FOR LAB USE ONLY			Т	T	1	MATR	RIX	Га		SERV	SAM	PLING	1		_						
Lab I.D. 424 <i>6256</i>	ab I.D. Sample I.D. Sample Depth					SLUDGE	OTHER:		✓ ICE / COOL COTHER:	DATE 10-14-2024	TIME	BTEX 8021B	TPH 8015M	Chloride 4500CI	Hold						
ASS NATE.	CS C				+									C 4					0	14	<i>f</i>

analyses. 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: Relinquished By:	Time: Receive	ed by: Mulleta 14	Makke	Verbal D. H. W. C.	dd'I Phone #: Email address:
Delivered By: (Circle One)	Time:	Sample Condition	CHECKED BY:		
	Corrected Temp. °C 1.9	Cool Intact Yes Yes No No	(Initials)	Turnaround Time: Standard Kush Thermometer ID ##13 #/40	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes
FURM-006 R 3.2 10/07/21	† Cardinal cannot acc	The second line is not a second line in the second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second	γ.	Correction Factor 0.5°C -0,6 C	□ 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 Reported: 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 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						
hloride, SM4500Cl-B mg/kg		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						

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: 11/06/2024 Reported:

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

Project Name: 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: DS 02 0.25' (H246775-02)

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	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: 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						

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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

Reported: 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 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. 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

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 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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Celeg & Freene



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: 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: DS 05 0.25' (H246775-05)

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	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 9	% 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	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	102 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene



Cool & Intact

Analytical Results For:

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

Received: 11/06/2024 Reported:

Sampling Date: 11/06/2024 11/12/2024 Sampling Type: Soil

Project Name: OLD CANYON RANCH 7 FEDERAL #001

Sampling Condition: Sample Received By: Project Number: 03B1417205 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	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	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 OLD CANYON RANCH 7 FEDERAL #001

Project Name: 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)

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	98.5	% 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	112	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	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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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

Analyzed By: JH

Project Location: OXY - EDDY CO., NM

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

BTEX 8021B

	9/	9	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	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	224	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	114 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: 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 09 0.25' (H246775-09)

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	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	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	110	% 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

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

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	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	Analyze	ed 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	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	11/08/2024	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						

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

mg/kg

Sampling Date: 11/06/2024

Sampling Type: Soil

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

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

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	96.8	% 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	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						

Analyzed By: JH

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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

Reported: 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: PH 02 0.5' (H246775-12)

RTFY 8021R

B1EX 8021B	mg,	rky	Allalyze	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	104	% 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	896	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	109	% 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 Reported:

11/12/2024 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: PH 02 4' (H246775-13)

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	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 9	% 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	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 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: 11/06/2024 Reported:

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

Project Name: 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 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 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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 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: 11/06/2024 Reported: 11/12/2024

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

 11/12/2024
 Sampling Type:
 Soil

Project Name: OLD CANYOI
Project Number: 03B1417205

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

Project Location: OXY - EDDY CO., NM

ma/ka

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

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	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	110	% 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	1020	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	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	113	% 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: Sampling Type: Soil 11/12/2024

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

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, SM4500Cl-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	% 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

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 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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11/06/2024

Cool & Intact Tamara Oldaker

Analytical Results For:

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

Received: 11/06/2024 Sampling Date:

Reported: Sampling Type: Soil 11/12/2024

Project Name: OLD CANYON RANCH 7 FEDERAL #001 Sampling Condition: Project Number: 03B1417205 Sample Received By:

Project Location: OXY - EDDY CO., NM

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

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	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 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	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 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: 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 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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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:

ma/ka

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 05 3' (H246775-20)

RTFY 8021R

QC RPD Qualifier	True Value QC	% Recovery	BS	Method Blank	Analyzed	Reporting Limit	Result	Analyte
21.5	2.00	83.7	1.67	ND	11/09/2024	0.050	<0.050	Benzene*
17.0	2.00	87.3	1.75	ND	11/09/2024	0.050	<0.050	Toluene*
13.4	2.00	94.6	1.89	ND	11/09/2024	0.050	<0.050	Ethylbenzene*
13.4	6.00	94.9	5.69	ND	11/09/2024	0.150	<0.150	Total Xylenes*
				ND	11/09/2024	0.300	<0.300	Total BTEX
					4	% 71.5-13-	98.8	Surrogate: 4-Bromofluorobenzene (PID
				d By: CT	Analyze	'kg	mg/	Chloride, SM4500Cl-B
QC RPD Qualifier	True Value QC	% Recovery	BS	Method Blank	Analyzed	Reporting Limit	Result	Analyte
0.00	400	108	432	ND	11/08/2024	16.0	432	Chloride
				d By: MS	Analyze	'kg	mg/	TPH 8015M
QC RPD Qualifier	True Value QC	% Recovery	BS	Method Blank	Analyzed	Reporting Limit	Result	Analyte
0.524	200	100	201	ND	11/07/2024	10.0	<10.0	GRO C6-C10*
0.0245	200	93.8	188	ND	11/07/2024	10.0	<10.0	DRO >C10-C28*
				ND	11/07/2024	10.0	<10.0	EXT DRO >C28-C36
					4	% 48.2-13	99.5	Surrogate: 1-Chlorooctane
					8	% 49.1-14	105 9	Surrogate: 1-Chlorooctadecane
_	200	93.8	188		11/07/2024	10.0 % 48.2-13	<10.0 99.5	EXT DRO >C28-C36 Surrogate: 1-Chlorooctane

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Page 23 of 24

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FA	AX (575) 393-24	4/6		-			Т		Joyce La	BIL	L TO					Αl	VALY	SIS F	REQUI	ST		
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Cool Intact
Yes Yes
No No † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Correction Factor -0.5°C 90, 11/6

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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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service. In no event shall Cardinal be habit		f whether such claim is based upon any of the above stated in	easons of otherwise.	1 DL #-
affiliates or successors arising out of or related to the performance	of services hereunder by Cardinal, regardless of	1		'I Phone #:
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Delivered By: (Circle One)	pserved Temp. °C // S	Sample Condition CHECKED BY: (Initials)	Turnaround Time: Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes
Sampler - UPS - Bus - Other:	prrected Temp. °C 3,5	Yes Yes No No	Correction Factor -0.5°C TO _ 11/4 254	Nc No Corrected Temp. °C

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

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

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

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

QUESTIONS

Action 419088

QUESTIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	419088
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 Plan 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 fo	or 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	No
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 419088

QUESTIONS (conti	QUESTIONS (continued)	
	OGRID:	

OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	419088
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ilation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt 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: 01/09/2025

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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 3

Action 419088

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	419088
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Domodiation Dlan

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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 s	submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination	n been fully delineated	Yes
Was this release entirely contained within a lined or	ontainment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM	4500 CI B)	33200
TPH (GRO+DRO+MRO) (EPA SW-846 Meth	od 8015M)	1088
GRO+DRO (EPA SW-846 Me	thod 8015M)	822
BTEX (EPA SW-846 Me	thod 8021B or 8260B)	0
Benzene (EPA SW-846 Me	thod 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 comm	ence	08/29/2024
On what date will (or did) the final sampling or liner		
On what date will (or did) the illiar sampling or liner	inspection occur	11/06/2024
On what date will (or was) the remediation complete	<u>'</u>	11/06/2024 11/06/2024
(, , , ,	e(d)	
On what date will (or was) the remediation complete	e(d) that will be reclaimed	11/06/2024
On what date will (or was) the remediation complete. What is the estimated surface area (in square feet)	that will be reclaimed	11/06/2024 20481
On what date will (or was) the remediation complete. What is the estimated surface area (in square feet). What is the estimated volume (in cubic yards) that	e(d) that will be reclaimed will be reclaimed that will be remediated	11/06/2024 20481 1182

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

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

QUESTIONS, Page 4

Action 419088

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	419088
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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.)	
Yes	
LEA LAND LANDFILL [fEEM0112342028]	
Not answered.	

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

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

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade_dittrich@oxy.com
Date: 01/09/2025

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

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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 5

Action 419088

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	419088
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

QUESTIONS, Page 6

Action 419088

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	419088
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	422828
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/31/2025
What was the (estimated) number of samples that were to be gathered	50
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 remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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

CONDITIONS

Action 419088

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	419088
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

C B	reated /	Condition	Condition Date	
r	nvelez	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.	1/23/2025	