Location:	PLU 210	
Spill Date:	10/7/2024	
	Area 3	
Approximate A	rea = 6432.51	sq. ft.
Average Satura	tion (or depth) of spill = 1.50	inches
Average Porosi	ty Factor = 0.10	
	VOLUME OF LEAK	
Total Crude Oil	1.86	bbls
Total Produced	Water = 12.46	bbls
	TOTAL VOLUME OF LEAK	
Total Crude Oi	1.99	bbls
Total Produced	I Water = 13.33	bbls
	TOTAL VOLUME RECOVERED	
Total Crude Oil	0.13	bbls
Total Produced	I Water = 0.87	bbls



January **5**, 2025

XTO Energy, Inc 3104 E Greene Street Carlsbad, New Mexico 88220

Attn: New Mexico Oil Conservation Division

1220 South St. Francis Drive Santa Fe, New Mexico, NM 87505

RE: Release Investigation and Remediation Closure Report

PLU 210

Unit I, Section 18, Township 24 South, Range 30 East

32.2152420°, -103.9148870°

Eddy County, New Mexico

Terracon Project No. KH247048

NMOCD Reference ID: nAPP2428245356

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is submitting this Release Investigation and Remediation Closure Report for the above-referenced site. Prepared in line with New Mexico Oil Conservation Division (NMOCD) regulations, this report addresses the environmental actions taken in response to a release of produced water. The release was discovered on October 7, 2024, and was found to be a result of a pinhole on the pumping tee. The detailed assessment and remedial actions by Terracon are outlined in the following sections.

Action I tems

Completed Actions

- 1) Conducted an initial site assessment and a series of sampling events.
- 2) Prepared maps and associated data tables.
- 3) Soil samples were collected from the excavation and submitted to an approved laboratory for analysis. Samples were collected to determine levels of impact vertically and horizontally.
- 4) The excavation of the release area was completed with the intent to remove impacted soil as determined by the Closure Criteria set by NMOCD.
- 5) Soil stockpiles on site were placed on plastic and bermed around the edges to reduce loss.
- 6) Five-point composite confirmation soil samples were collected every 200 square feet.
- 7) Remedial activities were terminated when a confirmation sample was collected below the NMOCD Remediation Action Levels (RALs) for Oil and Gas impacted soils.



8) A summary of the information provided in this report is included in Appendix C, as C-141 summary sheet.

Anticipated Actions

1) Approval for the Remediation Closure Report by the NMOCD.

Site Information

The Notice of the Release was provided to the NMOCD by Kailee Smith on October 8, 2024, with the submission of the initial C-141 and has been assigned. NMOCD Reference ID: nAPP2428245356. PLU 210 is in the Poker Lake lease in the northern extent of the Permian Basin, situated in the Southeastern part of New Mexico. The site is located within Unit I, Section 18, Township 24 South, Range 30 East, approximately 9.3 miles east of Malaga, New Mexico. The surface ownership for this location resides with the Bureau of Land Management. A Topographic Map and Site Location Map are included in Appendix A, as Exhibit 1 and Exhibit 2, respectively.

Regulatory Criteria

Groundwater

Data from the New Mexico Office of the State Engineer (NMOSE) website identified a water well (C-04676 POD 1) located 0.39 miles south of the site as indicated in the NMOSE Pod Location Map (Exhibit 3, Appendix A). This groundwater well was completed to a depth of 120 feet below ground surface (bgs) in 2022, with no water encountered. The boring log for C-04676, is included as Appendix D.

Wetlands

The U.S. Fish and Wildlife Service, National Wetlands Inventory website indicates that a riverine environment is located approximately 600 feet north of the site, as indicated in the Designated Wetland Area Map (Exhibit 5, Appendix A).

Karst

Geospatial data obtained from the BLM Carlsbad Field Office website indicated that the site is within an area of low risk for Karst formations, as indicated in the Cave Karst Public UCP Map (Exhibit 6, Appendix A).

Remediation

Remediation Standards

Per New Mexico Administrative Code (NMAC) 19.15.29.12, the closure criteria for the site is based on the remedial requirements for an on-pad release consisting of the removal of the affected soil from the surface to 4 feet below grade surface (bgs) in an area with depth to groundwater greater than 100 feet. Closure criteria are shown in the following table:



Closure Criteria for Remediat	ion at Depths Greater	than 4 Feet bgs
Parameters	Closure Criteria	Analytical Method
Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX)	50 mg/kg	EPA Method 8021B
Benzene	10 mg/kg	EPA Method 8021B
Chlorides	20,000 mg/kg	EPA Method 300
Petroleum Hydrocarbons GRO+DRO	1,000 mg/kg	EPA Method 8015M
Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO	2,500 mg/kg	EPA Method 8015M

Remedial / Delineation Activities

Terracon conducted remedial activities at the site from November 18, 2024, through November 20, 2024. An area of approximately 3,435 square feet was affected by the release. A total of 24 delineation samples from 14 locations were collected and submitted for analysis of BTEX, Chlorides, and TPH. Delineation sample results for BTEX and Chloride were below applicable NMOCD closure criteria. One delineation sample, DSV-02 0.5′, exceeded the closure criteria for TPH with a reported value of 17,842 mg/kg. A Delineation Sample Map depicting the sample locations, analytical results, and the excavation extent are included in Appendix A, Exhibit 3, and Exhibit 7, respectively. Delineation sample results are included in Appendix B, Table 1.

Confirmation/Closure Activities

Areas exhibiting visual impact and the area that exceeded the closure criteria were excavated to a depth of between 0.5 feet to 2.5 feet bgs. A total of 23 five-point composite confirmation soil samples were collected from November 19, 2024, through December 6, 2024, and submitted for analysis of BTEX, chloride, and TPH. All but one confirmation sample yielded results for BTEX, chloride, and TPH below applicable NMOCD closure criteria. Confirmation sample CSF-16 exceeded the closure criteria with 1,250 mg/kg diesel range organics (DRO). This area was resampled on December 6, 2024, allowing two weeks for natural attenuation. The sample results for CSF-16.2 on December 6, 2024, reported TPH to be 493 mg/kg, which is below the applicable NMOCD closure criteria for this site of 1,000 mg/kg. The excavation was backfilled with imported fill material, leveled off, and compacted. Confirmation sample results are included in Appendix B as Table 2 and Table 3, respectively.

A total of approximately 120 cubic yards (cu. yds.) of loose soil were excavated during remedial activities. Excavated material was stockpiled on-site atop a polyethylene liner pending-disposal under an approved Form C-138. The excavated material was disposed of at Lea Land Facility. Soil disposal waste manifests are available upon request. A Confirmation Sample Map depicting the floor and wall sample locations and analytical results is included in Appendix A as Exhibit 8, respectively. Photographs of the project site are included in Appendix E. The analytical reports and Chain of Custody (COC) are included in Appendix F. **Terracon's** Standard of Care, Limitation, and Reliance is included in Appendix G.



Conclusion

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and XTO Energy respectfully requests approval for the Remediation Closure Report of the reportable incident that occurred on October 7, 2024, at the NMOCD Reference # nAPP2428245356 – PLU 210 location.

We are grateful for the opportunity to offer our environmental services to XTO Energy. We are committed to providing the highest level of service and support. Should you need further information or have any queries, we encourage you to contact our office at your earliest convenience.

Sincerely,



Prepared by:

Austin Worley

austin Wodeey

Staff Scientist

Lubbock, TX

Reviewed by:

John Grams, P.G. (TX)

Senior Consultant

Lubbock, TX



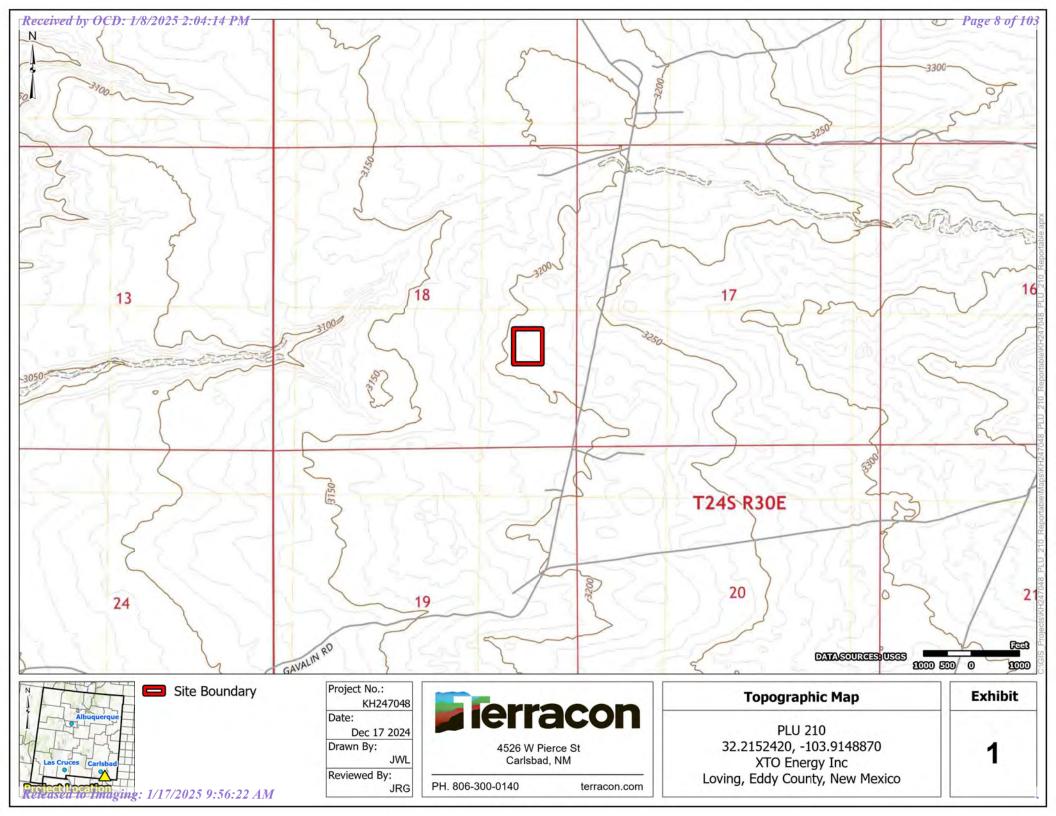
Attachments:

Appendix A - Exhi	bits	
Exhibit 1	_	Topographic Map
Exhibit 2	_	Site Location Map
Exhibit 3	_	Delineation Map
Exhibit 4	-	NMOSE POD Map
Exhibit 5	_	Designated Wetland Area Map
Exhibit 6	-	Cave Karst Public UCP Map
Exhibit 7	-	Excavation Plan Map
Exhibit 8	-	Confirmation Sample Map
Appendix B - Tabl	es	
Table 1	-	Delineation Samples
Table 2	-	Confirmation Floor Samples
Table 3	-	Confirmation Wall Samples
Appendix C - C-14	1 Sum	mary
Appendix D - Well	Inform	mation
Appendix E - Phot	ograph	nic Log
Appendix F - Anal	ytical f	Report and Chain of Custody

Appendix G - Terracon Standard of Care, Limitation, and Reliance



APPENDIX A - EXHIBITS







Dec 17 2024 Drawn By:

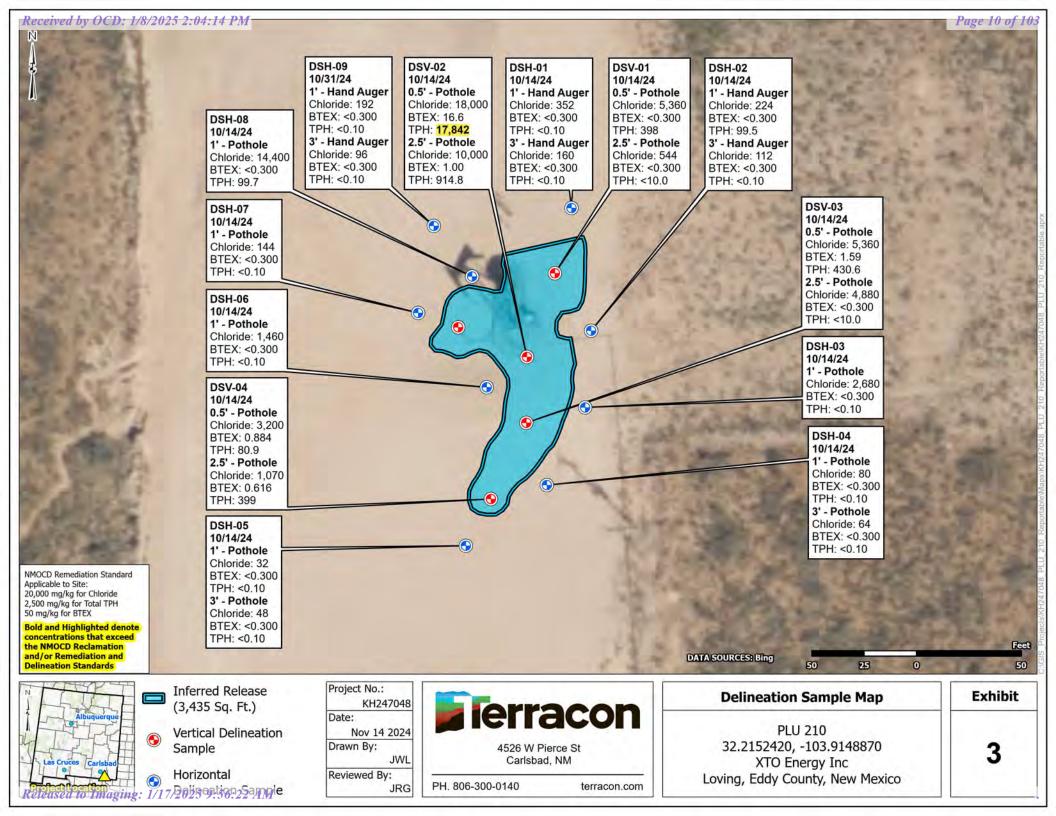
JWL Reviewed By: **JRG**

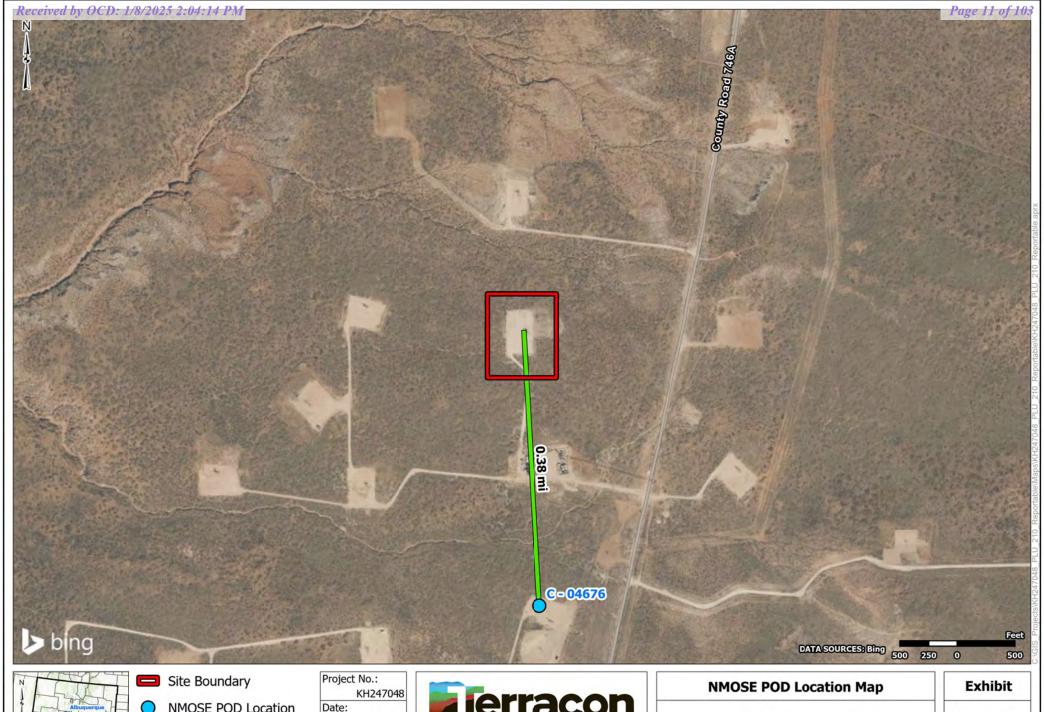


4526 W Pierce St Carlsbad, NM

PH. 806-300-0140 terracon.com

PLU 210 32.2152420, -103.9148870 XTO Energy Inc Loving, Eddy County, New Mexico







NMOSE POD Location

Dec 17 2024 Drawn By: **JWL**

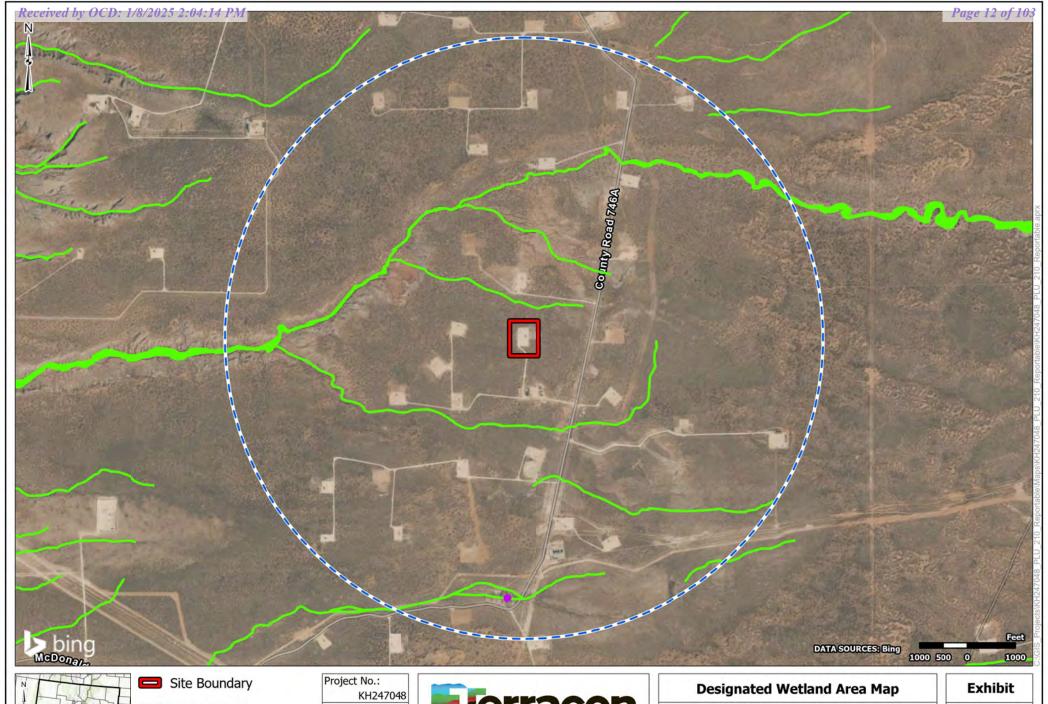
Reviewed By: **JRG**



4526 W Pierce St Carlsbad, NM

PH. 806-300-0140 terracon.com

PLU 210 32.2152420, -103.9148870 XTO Energy Inc Loving, Eddy County, New Mexico





Date:

Dec 17 2024

Drawn By: **JWL**

Reviewed By: **JRG**



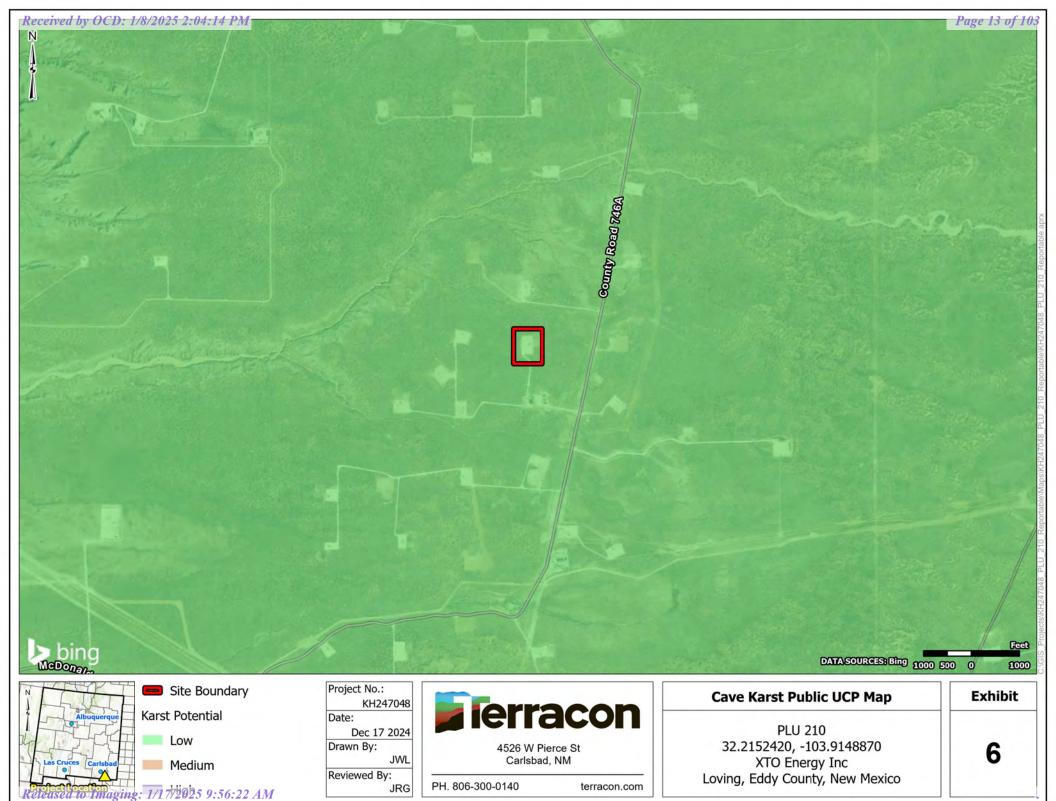
4526 W Pierce St Carlsbad, NM

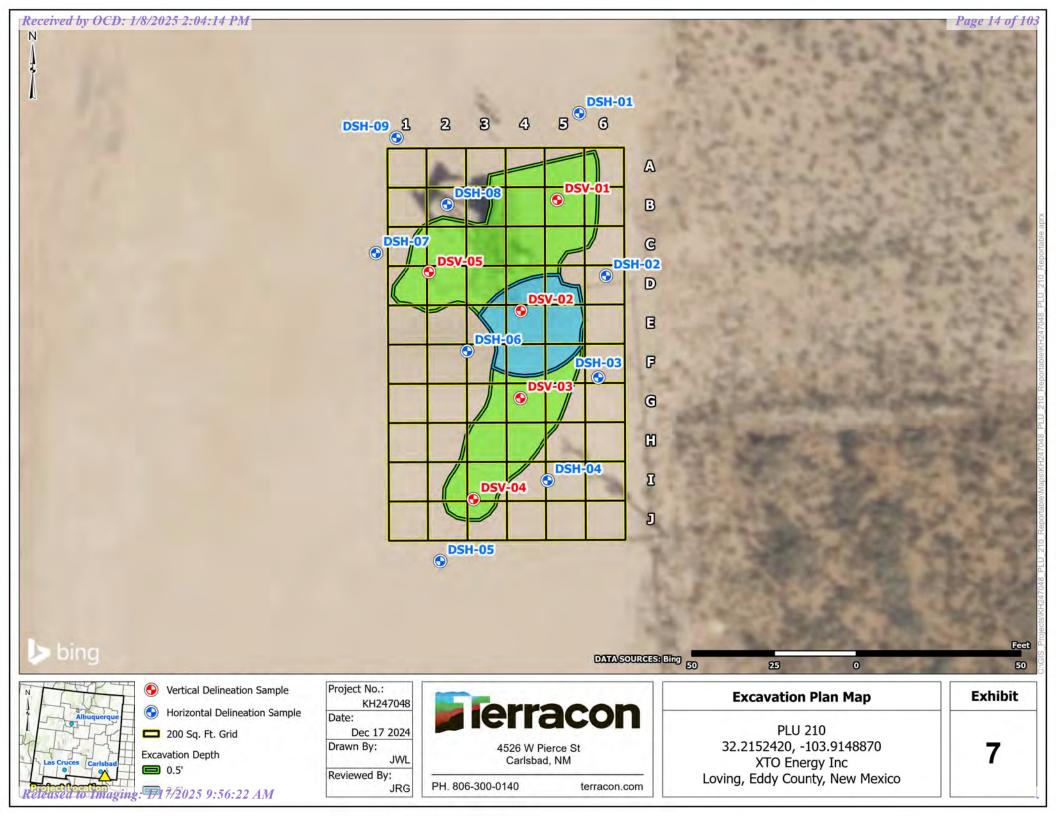
PH. 806-300-0140

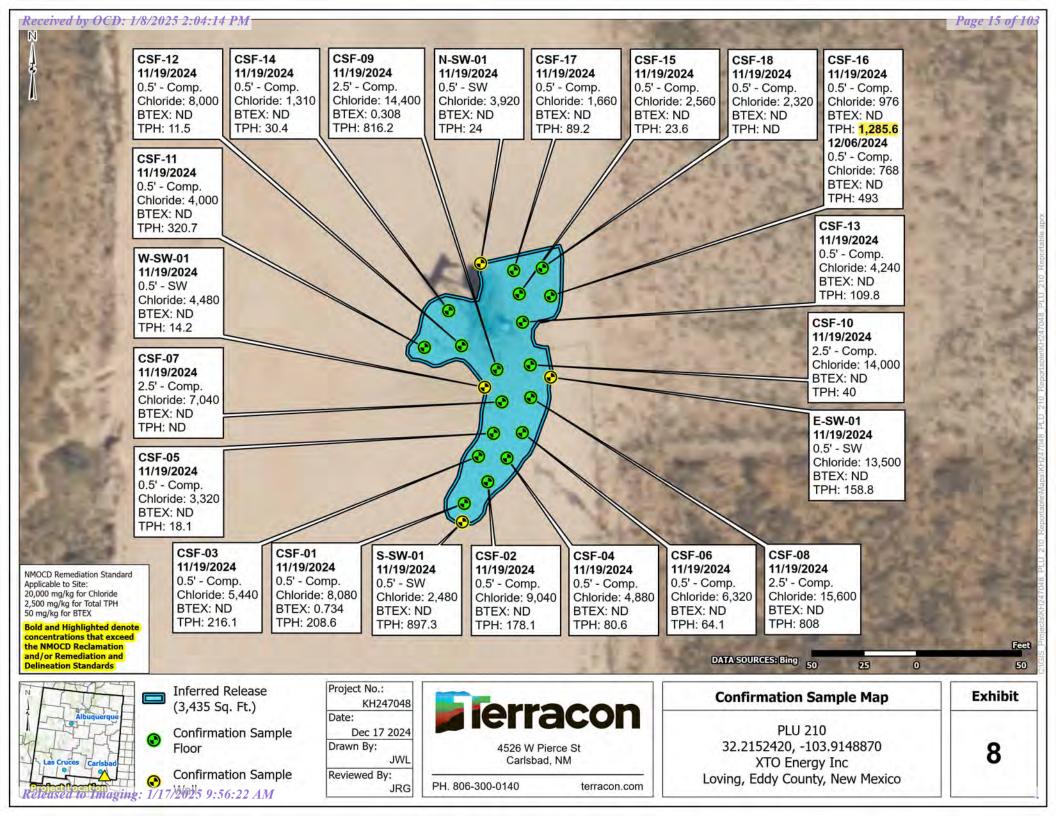
terracon.com

PLU 210 32.2152420, -103.9148870 XTO Energy Inc Loving, Eddy County, New Mexico

5









APPENDIX B - TABLES

PLU 210

Table 1 - Release Assessment Project Code: KH247048

NMOCD Reference No. napp2428245356

				NMO	JCD Referenc	e No. napp24	28245356							
Sample I D	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg) EPA Method	Total TPH ² (mg/Kg) EPA Method	Gasoline Range Organics (C6-C10) (mg/Kg) EPA Method 8015M	Diesel Range Organics (Over C10-C28) (mg/Kg) EPA Method 8015M	Oil Range Organics (Over C28-C36) (mg/Kg) EPA Method			
					300	8021B	8021B	8015M			8015M			
						se Assesment								
Horizontal Delineation Results														
DSH-01 1'	DSH-01 1' 10/14/2024 1.0 HA In-Situ 352 <0.050 <0.300 <10.0 <10.0 <10.0 <10.0 DSH-01 3' 10/14/2024 3.0 HA In-Situ 160 <0.050 <0.300 <10.0 <10.0 <10.0 <10.0													
DSH-02 1'	10/14/2024	1.0	HA	In-Situ	224	< 0.050	< 0.300	99.5	<10.0	99.5	<10.0			
DSH-02 3'	10/14/2024	3.0	PH	In-Situ	112	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-03 1'	10/14/2024	1.0	PH	In-Situ	2,680	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-04 1'	10/17/2024	1.0	PH	In-Situ	80	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-04 3'	10/17/2024	3.0	PH	In-Situ	64	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-05 1'	10/17/2024	1.0	PH	In-Situ	32	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-05 3'	10/17/2024	3.0	PH	In-Situ	48	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-06 1'	10/17/2024	1.0	PH	In-Situ	1,460	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-07 1'	10/17/2024	1.0	PH	In-Situ	144	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-08 1'	10/17/2024	1.0	PH	In-Situ	14,400	< 0.050	< 0.300	99.7	<10.0	79.3	20.4			
DSH-09 1'	10/31/2024	1.0	PH	In-Situ	192	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSH-09 3'	10/31/2024	3.0	HA	In-Situ	96	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
					Vertical De	elineation Resu								
DSV-01 0.5'	10/17/2024	0.5	PH	Excavated	5,360	< 0.050	< 0.300	398	<10.0	251	147			
DSV-01 2.5'	10/17/2024	2.5	PH	In-Situ	544	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSV-02 0.5'	10/17/2024	0.5	PH	Excavated	18,000	<0.050	16.6	17,842	702	14,600	2,540			
DSV-02 2.5'	10/17/2024	2.5	PH	Excavated	10,000	<0.050	1.00	914.8	36.8	746	132			
DSV-02 4.5'	10/17/2024	4.5	PH	In-Situ	160	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSV-03 0.5'	10/17/2024	0.5	PH	Excavated	5,360	< 0.050	1.59	430.6	16.8	356	57.8			
DSV-03 2.5'	10/17/2024	2.5	PH	In-Situ	4,880	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
DSV-04 0.5'	10/17/2024	0.5	PH	Excavated	3,200	< 0.050	0.884	80.9	<10.0	80.9	<10.0			
DSV-04 2.5'	10/17/2024	2.5	PH	In-Situ	1,070	< 0.050	0.616	399	14.3	331	53.7			
DSV-05 0.5'	10/17/2024	0.5	PH	Excavated	1,420	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0			
		ediation Standards			20,000	10	50	2,500	1,0	000	N/A			
1. BTEX = Benzene	, toluene, ethylbenz	zene, and total xylen	es						Data Entry:					
	oleum hydrocarbon:								Data Littiy.	BSM				
3 New Mexico Adn	ninistration Code (NI	MAC) Restoration Re	eclamation ar	nd Re-vegatation	on					GS				

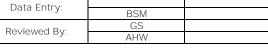
^{3.} New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegatation

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of material which was excavated and disposed of at a permited disposal facility.





^{(19.15.29.13),} NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs

^{4.} New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N,12/01/23. This includes areas reasonably needed for production being deffered to be reclamed at the time of abandonment.

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

NA = Not Analyzed

PLU 210

Table 2 - Confirmation Floors Project Code: KH247048

MOCD Reference No. napp242824535

					MOCD Refer	STICC INC. TIA	ppz+zuz+uu					
Sample I D	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	
						onfirmation T		0010101			00 10101	
CSF-01												
CSF-02	11/19/2024	0.5	Composite	In-Situ	9,040	< 0.050	< 0.300	178.1	<10.0	147	31.6 31.1	
CSF-03	11/19/2024	0.5	Composite	In-Situ	5,440	< 0.050	< 0.300	216.1	< 10.0	178	38.1	
CSF-04	11/19/2024	0.5	Composite	In-Situ	4,880	< 0.050	< 0.300	80.6	< 10.0	61.6	19	
CSF-05	11/19/2024	0.5	Composite	In-Situ	3,320	< 0.050	< 0.300	18.1	<10.0	18.1	<10.0	
CSF-06	11/19/2024	0.5	Composite	In-Situ	6,320	< 0.050	< 0.300	64.1	<10.0	64.1	<10.0	
CSF-07	11/19/2024	2.5	Composite	In-Situ	7,040	< 0.050	< 0.300	<10.0	< 10.0	< 10.0	<10.0	
CSF-08	11/19/2024	2.5	Composite	In-Situ	15,600	< 0.050	< 0.300	808	14	681	113	
CSF-09	11/19/2024	2.5	Composite	In-Situ	14,400	< 0.050	0.308	816.2	15.2	599	202	
CSF-10	11/19/2024	2.5	Composite	In-Situ	14,000	< 0.050	< 0.300	40	< 10.0	40	<10.0	
CSF-11	11/19/2024	0.5	Composite	In-Situ	4,000	< 0.050	< 0.300	320.7	< 10.0	304	16.7	
CSF-12	11/19/2024	0.5	Composite	In-Situ	8,000	< 0.050	< 0.300	11.5	< 10.0	11.5	<10.0	
CSF-13	11/19/2024	0.5	Composite	In-Situ	4,240	< 0.050	< 0.300	109.8	< 10.0	86.6	23.2	
CSF-14	11/19/2024	0.5	Composite	In-Situ	1,310	< 0.050	< 0.300	30.4	< 10.0	30.4	<10.0	
CSF-15	11/19/2024	0.5	Composite	In-Situ	2,560	< 0.050	< 0.300	23.6	< 10.0	23.6	<10.0	
CSF-16	11/19/2024	0.5	Composite	In-Situ	976	< 0.050	< 0.300	1,285.60	< 10.0	1,250	35.6	
CSF-16.2	12/6/2024	0.5	Composite	In-Situ	768	< 0.050	< 0.300	493	<10.0	493	<10.0	
CSF-17	11/19/2024	0.5	Composite	In-Situ	1,660	< 0.050	< 0.300	89.2	< 10.0	89.2	<10.0	
CSF-18	11/19/2024	0.5	Composite	In-Situ	2,320	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	
NMOCD Reme	ediation Standar	rds ⁴ (Greater tha	n Depths of	4 ft bgs)	20,000	10	50	2,500	1,0	000	N/A	
1. BTEX = Benz	ene, toluene, ethy	ylbenzene, and tot	al xylenes						Data Entry:			
	etroleum hydroca								Data Litti y.	BSM		
New Mexico A	Administration Cod	de (NMAC) Restora	ation, Reclam	ation and R	e-vegatation					GS		

^{3.} New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegatation

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of material which was excavated and disposed of at a permited disposal facility.



AHW

Reviewed By:

^{(19.15.29.13),} NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4

^{4.} New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N,12/01/23

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

NA = Not Analyzed

PLU 210

Table 3 - Confirmation Sidewalls Project Code: KH247048

NMOCD Reference No. napp2428245356

					INIVIOCE	INCICI CITICO INC). Happz4zi	3243330				
Sample I D	Sample Date	Sample Start Depth	Sample End Depth	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
		(ft bgs)	(ft bgs)			EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EDA Method
						Confirmati	on Table					
N-SW-01	11/19/2024	0	0.5	Composite	In-Situ	3,920	< 0.050	< 0.300	24	<10.0	24	< 10.0
E-SW-01	11/19/2024	0	0.5	Composite	In-Situ	13,500	< 0.050	< 0.300	158.8	<10.0	128	30.8
S-SW-01	11/19/2024	0	0.5	Composite	In-Situ	2,480	< 0.050	< 0.300	897.3	<10.0	876	21.3
W-SW-01	11/19/2024	0	0.5	Composite	In-Situ	4,480	< 0.050	< 0.300	14.2	<10.0	14.2	< 10.0
NMO	CD Remediation	Standards ⁴ (Gre	eater than Depth	s of 4 ft bgs	s)	20,000	10	50	2,500	1,0	000	N/A
1. BTEX = Benz	BTEX = Benzene, toluene, ethylbenzene, and total xylenes											
2. TPH = Total s	oetroleum hydroca	arbons								Data Entry:	BSM	

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of material which was excavated and disposed of at a permited disposal facility.



Reviewed By:

GS

AHW

^{3.} New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegatation

^{(19.15.29.13),} NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft.

^{4.} New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N,12/01/23

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

NA = Not Analyzed



APPENDIX C - C-141 SUMMARY SHEET

1/2/2025						Terraco	n
Closure Documentat	tion						
		NMOC	D REPORT	DETAILS			
		ssion Contact	Application,	Fee and Payment D	<u>Details</u>		
Name:	Colton Brown						
Email:	colton.s.brown@exxonm	<u>obil.com</u>					
Phone:				0.111			
			nitial Release				
		.	Application D				
	Incident ID:		nA	PP2428245356		-	
	District:			Artesia		_	
	County:		0 11 10	Eddy		-	
	egal Description:		Section: 18	Township: 24S	Range: 30E		
	Lat/Long:	N: 32.750506		E: -104.330647			
			Danasandal				
		1	<u>Prerequisit</u>				
I	ncident Operator:	-	XTO ENER				
	Release Type:		Produced Water				
	Incident Status:		Pending NMOC	D Approvai			
		Г	Release Inform	nation			
	Site Name:	<u> </u>	telease IIIIOII	PLU 210			
	Date Discovered:			10/5/2024		(MM/DD/	(VVVV)
	Surface Owner:			Federal		(IVIIVI/DD/	1111)
	Surface Owner.			rederal			
			Incident De	ails			
	Incident Type:			ced Water Release			
	Fire:		11000	No		-	
	Injuries:			No		-	
	Watercourse:			No		=	
	Public Health:			No		=	
Significant	to Property or Environment:			No		=	
	mental to Freshwater:			No		=	
		Nature	e and Volume	of Release			
F	Released Product:		Pr	oduced Water			
	Cause:			Corrosion			
	Source:			Well Head		_	
	Release:		13		(bbls/Mcf)	_	
	Recovered:		1		(bbls/Mcf)	_	
Д	Additional Details:						
		<u>Natur</u>	<u>e and Volume</u>	of Release			
F	Released Product:			Crude Oil			
	Cause:			Corrosion			
	Source:			Well Head			
	Release:		2		(bbls/Mcf)	_	
	Recovered:		0		(bbls/Mcf)	_	
Д	Additional Details:						
			e and Volume	of Release			
	his a gas submission		No No				
	najor release (Y/N) >25bbls		No	/ ^ + + ! !	I Dalagaa Maliira	Calculation)	
Justification	of release volume calculation		/es	(ATTached	Release Volume C	aiculatioN)	
			Initial Respo	onso.			
Dolo	ase has been stopped	`		<u> </u>			
	ase nas been stopped area has been secured:	1	<u>/es</u>				
	naterial has been secured:		∕es ∕es				
	quids have been recovered	1	res /es				
	ve not been completed, why?		N/A	(Attached Explination	nn)	1	
i i activits ild	ve not been completed, willy?	1 1	W/ /\	TATTOCK EXPINIALLY	J11/		

	Reme	diation Action	Plan (-141			
		Site Characteri				
What is groundwater beneath effected area?	_	t - 500ft				
What method was used to determine depth?	1001	. 55511	NM OSE iV	Waters Data	base Search	
Did release impact GW or Surface Water?		No	332 11	. 3.0.5 Data		
Continuously flowing watercourse	greater than					
Lakebed, sinkhole, or playa (measured from the h	igh-water mar	·k)	gr∈	ater than 5	(mi.)	
An occupied permanent residence	greater t	than 5 (mi.)				_
Spring or private domestic well	greater t	han 5 (mi.)				
Incorporated municipal boundaries	Ü	han 5 (mi.)	_			
Wetland	between 500	0 to 1,000 (ft.)				
Subsurface mine		than 5 (mi.)	_			
A (non-karst) unstable area		:han 5 (mi.)		<u> </u>		7
Categorize the risk of this well / site beir		eology		Low		4
A 100-year floodplair		dayalannaant		ween 1 to 5		No
Did the release impact areas not on a	an exploration	, aevelopment,	production, o	r storage sit	е	No
		Remediation	Dlan			
Have lateral and vertical extents of impacts been	delineated to		Yes			
the strictest standards?			103			
Was the release entirely contained within a lined	containment?		No			
Soil Contamination Sampling						
(provide the highest observed value for eac	h)(0.1)	Chloride		18,000	(mg/kg)]
		Total TPH		17,842	(mg/kg)	
		GRO+DRO		14,600	(mg/kg)	
		BTEX		16.6	(mg/kg)	
		Benzene		< 0.050	(mg/kg)	
Date of Remediation Commencement			1/18/2024			
Date of Final Sampling or Liner Inspect	on		12/6/2024			
Date of Remediation Completion		1	1/20/2024			
Estimated Surface Area (sq.ft) to be recla			0			
Estimated Volume (cu. Yds) to be reclair			0			
Estimated Surface Area (sq.ft) to be remed			3,435			
Estimated Volume (cu. Yds) to be remedi	ated		120			
Excavation and off-site disposal (dig & h	aul)		Yes		(Ex-Situ)	
Excavation and on-site remediation (land			N/A		(Ex-Situ)	-
Soil Vapor Extraction	Tarriy		N/A		(In-Situ)	-
Chemical processing (soil shreddinge	tc)		N/A		(In-Situ)	-
Biological processing (microbes / fertilizer.			N/A		(In-Situ)	
Physical processing (soil washing, gypsum			N/A		(In-Situ)	
Ground Water Abatement			N/A			
Other (Non-listed remedial process)			N/A			
	Closur	e/Deferral Red	quest C-141			
Closure Request (attachment with explana			Yes			
All areas reasonably needed for production or s						
drilling operations have been stabilized, returned			Yes			
existing grade, and have a soil cover that prevent water, minimizing dust and erosion	s ponding of					
Total Surface Area (sq.ft) to be remedia	ted		3,435		(Square Feet)	
Total Volume (cu. Yds) to be remediate			120		(Cubic Yards)	-
All areas not reasonably needed for production or			-		(_
drilling operations have been reclaimed to contain	n a minimum					
of four feet of non-waste contain earthen mat			No			
concentrations less than 600 mg/kg chlorides, 100			-			
50 mg/kg BTEX, and 10 mg/kg Benzer	ne					
Estimated Surface Area (sq.ft) to be recla	imed		3,435		(Square Feet)	1
Estimated Solitace Area (sq.11) to be reclain			745		(Cubic Yards)	
Attached Summary of additional remediation			Yes		(22.210 14143)	•
j or additional remodiation						
Requesting approval of Reclamation Comp	letion		No			



APPENDIX D - WELL INFORMATION



OSE DIF DEC 21 2022 PM3:14

C-04676 PC)				-	C-04676 PHONE (OPTI	ONAL)		
XTO ENER	GY INC						575-200-072	29		
WELL OWNE 3104 E GRI							CITY CARLSBAI)	STATE NM 88220	ZIP
WELL		D	EGREES 32	MINUTES 12	SECOND 32.66		* ACCUBACY	REQUIRED: ONE TEN	TH OF A SECOND	
(FROM GPS	0	TITUDE NGITUDE	-103	54	50.95	N		QUIRED: WGS 84	TH OF A SECOND	
DESCRIPTION POKER LA		NG WELL LOCATION TO T # 231	O STREET ADDRE	ESS AND COMMO	N LANDMAI	KS – PLS	SS (SECTION, TO	WNSHJIP, RANGE) WH	IERE AVAILABLE	
LICENSE NO.		NAME OF LICENSEL		New New York	2 1000			NAME OF WELL DR	ILLING COMPANY	
WD-1	184		RUSSE	LL SOUTHER	LAND			WEST TEXAS	S WATER WELL SE	RVICE
DRILLING ST 11/22		DRILLING ENDED 11/22/22	DEPTH OF COM	PLETED WELL (F 120	T) I	ORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT)	
COMPLETED	WELL IS:	ARTESIAN	DRY HOLE	SHALLO	OW (UNCON	FINED)		STATIC WATER LEV	VEL IN COMPLETED WE N/A	ELL (FT)
DRILLING FL	UID:	✓ AIR	☐ MUD	ADDITIV	VES – SPECII	Y:				
DRILLING MI	ETHOD:	▼ ROTARY	HAMMER	CABLE :	TOOL	ОТНЕ	ER – SPECIFY:			
DEPTH (feet bgl)	BORE HOLE	CASING N	ATERIAL AN	D/OR	C	ASING	CASING	CASING WALL	SLC
FROM	то	DIAM (inches)		(include each casing string, and			NECTION TYPE ling diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZ (inch
			NO CA	ASING IN HOL	E					
DEPTH (feet hgl)	BORE HOLE	110	T ANNULAR S	FAI MAT	TRIAL A	AND	AMOUNT) marijo	D.OF
FROM	TO	DIAM. (inches)	100000000000000000000000000000000000000	EL PACK SIZE				(cubic feet)	METHO PLACEN	
					27/4					
					N/A					
	Lie kank								Carried and Carried State	Links
NO. (D46			POD NO	o. I		WR-2		& LOG (Version 04/3	0/19)
	UNIO	10	2.2	LODIN			1101	NO. 7367	00	

	DEPTH (feet bgl)		COLOR AN	ND TYPE OF MA	TEDIAL ENCO	MINITEDED		-	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WAT		AVITIES OR FI	RACTURE ZONES	BEA	TER RING? (/NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	1			CALICI	HE PAD		Y	✓ N	
M	1	120			RED	SAND		Y	✓ N	
								Y	N	
								Y	N	
	>							Y	N	
Ţ								Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
OF								Y	N	
000								Y	N	
210								Y	N	
CO								Y	N	
GEO								Y	N	
RO								Y	N	
HXI								Y	N	
4								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	1							Y	N	
								Y	N	
	METHOD U		The second second	OF WATER-BEARIN	G STRATA: THER – SPECIFY	:DRY HOLE		TOTAL ESTI		0.00
NOIS	WELL TES			ACH A COPY OF DA ME, AND A TABLE S						
TEST; RIG SUPERVIS			FORMATION: PRILL RIG SUPER	VISOR(S) THAT PRO	OVIDED ONSITE	SUPERVISIO		SE DII DEC		
5.	RUSSELL S		717X/1 L							
6. SIGNATURE	RECORD O	P THE ABO	OVE DESCRIBED ALSO BE FIZED	hxx	PTY THAT THE HOLDER WITHI	WELL TAG, II N 30 DAYS AF	REQUIRED, HAS	S BEEN INSTA ETION OF WI	ALLED AT ELL DRIL	ND THAT THIS
	"	SIGNAT	UKE OF DRILLE	PRINT SIGNEE	NAME				DATE	
	R OSE INTER	NAL USE				_	III II			rsion 04/30/2019
FIL		0467			POD NO.	1	TRN NO.	7362	86	1
LO	CATION 2	45.3	1.91.70	.2.2.		WI	ELL TAG ID NO.			PAGE 2 OF



APPENDIX E - PHOTOGRAPHIC LOG

Exhibit 7 - Photographic Log NMOCD ID: napp2428245356





Photo 1 Site Sign



Photo 2

View of Release Facing North

Exhibit 7 - Photographic Log NMOCD ID: napp2428245356





Photo 3

Excavation In Progress



Photo 4

Excavation Complete

Exhibit 7 - Photographic Log NMOCD ID: napp2428245356





Photo 5

Western Scrape In Progress

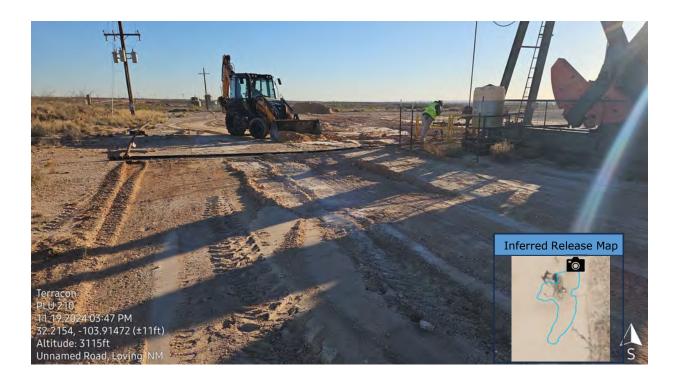


Photo 6

Eastern Scrape In Progress

Exhibit 7 - Photographic Log NMOCD ID: napp2428245356





Photo 7

Western Area Being Compacted



Photo 8

Excavation Area Being Backfilled and Compacted



APPENDIX F – ANALYTICAL REPORT AND CHAIN OF CUSTODY



October 24, 2024

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU 210

Enclosed are the results of analyses for samples received by the laboratory on 10/18/24 15:28.

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:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/14/2024

Sampling Type: Soil

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

Sample ID: DSH - 01 1' (H246394-01)

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	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	352	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	211	105	200	14.1	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	217	109	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.6	% 49.1-14	8						

A I J D. ... 711

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/14/2024

Sampling Type: Soil

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

Sample ID: DSH - 01 3' (H246394-02)

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	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	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	160	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	211	105	200	14.1	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	217	109	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Kreine



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported:

10/24/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - LEA CO NM Project Location:

Sampling Date: 10/14/2024

Sampling Type: Soil

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

Sample ID: DSH - 02 1' (H246394-03)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 % 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	224	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	211	105	200	14.1	
DRO >C10-C28*	99.5	10.0	10/22/2024	ND	217	109	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.3	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - LEA CO NM Project Location:

Sampling Date: 10/14/2024

Sampling Type: Soil

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

Sample ID: DSH - 02 3' (H246394-04)

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	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	112	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	211	105	200	14.1	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	217	109	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/14/2024

Sampling Type: Soil

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

Sample ID: DSH - 03 1' (H246394-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Reported: 10/24/2024 Project Name: PLU 210 Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSH - 04 1' (H246394-06)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.6	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSH - 04 3' (H246394-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSH - 05 1' (H246394-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

10/24/2024 PLU 210

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSH - 05 3' (H246394-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Kreine



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported:

10/24/2024

Project Name: **PLU 210** Project Number: KH247048

Project Location: XTO - LEA CO NM Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSH - 06 1' (H246394-10)

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	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424

Fax To:

Received: 10/18/2024

Reported: 10/24/2024 Project Name: **PLU 210**

Project Location: XTO - LEA CO NM

KH247048

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSH - 07 1' (H246394-11)

Project Number:

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	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	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	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSH - 08 1' (H246394-12)

RTFY 8021R

B1EX 8021B	mg	^и кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	14400	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	79.3	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	20.4	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported: 10/24/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 01 0.5' (H246394-13)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	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	5360	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	251	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	147	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024

Reported: 10/24/2024 Project Name: PLU 210 Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 01 2.5' (H246394-14)

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	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	<0.300	0.300	10/22/2024	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	544	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



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

Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024

Reported: 10/24/2024 Project Name: **PLU 210**

Project Location: XTO - LEA CO NM

KH247048

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 02 0.5' (H246394-16)

Project Number:

BTEX 8021B	mg/kg Analyzed By: JH							S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	1.29	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	2.47	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	12.8	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	16.6	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	301 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	702	50.0	10/22/2024	ND	225	113	200	16.2	
DRO >C10-C28*	14600	50.0	10/22/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	2540	50.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	154 9	% 48.2-13	4						

Surrogate: 1-Chlorooctadecane 278 % 49.1-148

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024 Reported:

10/24/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - LEA CO NM Project Location:

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 02 2.5' (H246394-17)

BTEX 8021B	mg,	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	0.141	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	0.861	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	1.00	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 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	10000	16.0	10/21/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	36.8	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	746	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	132	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

10/18/2024

Reported: 10/24/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 02 4.5' (H246394-18)

Received:

RTFY 8021R

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
enzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.77	
oluene*	<0.050	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
thylbenzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
otal Xylenes*	<0.150	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
otal BTEX	<0.300	0.300	10/22/2024	ND					
urrogate: 4-Bromofluorobenzene (Pa	D 103	% 71.5-13	4						
hloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
hloride	160	16.0	10/22/2024	ND	400	100	400	3.92	
PH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
RO C6-C10*	<10.0	10.0	10/21/2024	ND	225	113	200	16.2	
PRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
XT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
urrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
urrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						
urrogate: 1-Chlorooctane	96.3	% 48.2-13	4	ND					

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424

Fax To:

Received: 10/18/2024

Reported: 10/24/2024 Project Name: **PLU 210**

XTO - LEA CO NM Project Location:

KH247048

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 03 0.5' (H246394-19)

Project Number:

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	10/22/2024	ND	2.13	107	2.00	6.77	
Toluene*	0.108	0.050	10/22/2024	ND	2.08	104	2.00	4.81	
Ethylbenzene*	0.232	0.050	10/22/2024	ND	2.12	106	2.00	4.11	
Total Xylenes*	1.25	0.150	10/22/2024	ND	6.32	105	6.00	4.05	
Total BTEX	1.59	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 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	5360	16.0	10/22/2024	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*	16.8	10.0	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	356	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	57.8	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024

Reported: 10/24/2024 Project Name: PLU 210 Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 03 2.5' (H246394-20)

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	10/21/2024	ND	1.94	97.0	2.00	12.0	
Toluene*	<0.050	0.050	10/21/2024	ND	2.01	101	2.00	9.90	
Ethylbenzene*	< 0.050	0.050	10/21/2024	ND	2.04	102	2.00	8.38	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.10	102	6.00	8.23	
Total BTEX	<0.300	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	4880	16.0	10/22/2024	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	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024

Reported: 10/24/2024 **PLU 210**

Project Name: Project Number: KH247048

Project Location: XTO - LEA CO NM Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 04 0.5' (H246394-21)

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	10/21/2024	ND	1.94	97.0	2.00	12.0	
Toluene*	<0.050	0.050	10/21/2024	ND	2.01	101	2.00	9.90	
Ethylbenzene*	0.097	0.050	10/21/2024	ND	2.04	102	2.00	8.38	
Total Xylenes*	0.787	0.150	10/21/2024	ND	6.10	102	6.00	8.23	
Total BTEX	0.884	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	10/22/2024	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	10/21/2024	ND	225	113	200	16.2	
DRO >C10-C28*	80.9	10.0	10/21/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/18/2024

Reported: 10/24/2024 Project Name: PLU 210 Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 04 2.5' (H246394-22)

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	10/21/2024	ND	1.94	97.0	2.00	12.0	
Toluene*	<0.050	0.050	10/21/2024	ND	2.01	101	2.00	9.90	
Ethylbenzene*	0.075	0.050	10/21/2024	ND	2.04	102	2.00	8.38	
Total Xylenes*	0.541	0.150	10/21/2024	ND	6.10	102	6.00	8.23	
Total BTEX	0.616	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	1070	16.0	10/22/2024	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*	14.3	10.0	10/22/2024	ND	225	113	200	16.2	
DRO >C10-C28*	331	10.0	10/22/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	53.7	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424

Fax To:

Received: 10/18/2024

Reported: 10/24/2024 Project Name: PLU 210

Project Name: FLO 210

Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/17/2024

Sampling Type: Soil

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

Sample ID: DSV - 05 0.5' (H246394-23)

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	10/21/2024	ND	1.94	97.0	2.00	12.0	
Toluene*	<0.050	0.050	10/21/2024	ND	2.01	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.04	102	2.00	8.38	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.10	102	6.00	8.23	
Total BTEX	<0.300	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	1420	16.0	10/22/2024	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	10/22/2024	ND	225	113	200	16.2	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	219	109	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine

aboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company: x Com	Project Manager: Austin Worley	Worley										P	P.O. #:			DILL IO.				1		ANA	ANALY	_	_	ANALYS REQUES	ANALTO REQUEST	_
Extraction Carlsbad State: NM Zip: 88220 Attn: Cotton Br. State: NM Zip: 88220 Attn: Cotton Br. Address: Extraction	SS:	4526 W. Pierce Street										Co	mp	iny:	×	O Ene	ergy	ergy	rgy	argy	ergy	rgy	rgy	rgy	rgy	rgy	rgy	ergy
Set		Carlsbad		Sta	te: N	3	Zip:	882	20			Atı	n: C	olto	n B	rown												
Troject Leation: Lea	hone #:	5756895949	Fax #:									Ad	dre	S		3104 E	EGr	E Greene St.	E Greene St.	E Greene St.	E Greene St.	E Greene St.	E Greene St.	E Greene St.	E Greene St.	E Greene St.	E Greene St.	E Greene St.
Topics Location: Lea	Project #:	KH247048	Project	Owne	X.	TOE	nerg	4				C.	X				arlsba	Carlsbad										
Phone #:	Project Name:	PLU 210							Н			St	te:			_	NM, 882	IM, 88220	220	220	220	220	220	220	220	220	220	220
Fax ## Page	Project Location:	Lea										Ph	one	#					145	345								
Corrected By: Circle One) Chem: Corrected Temp. Corper Clearly Corrected Temp. Corrected Tem	Sampler Name:	Gus Sanchez										Fa	*		П				noc	_	5	5	5	5	5	5	5	5
Corrected Py: Clircle One Character Corp. Corrected Py: Corrected	FOR LAB USE ONLY				۲.	Н		MA	TRU	^			PR	SER	?		SAMPLING	SAMPLING		leth	015	015	015	015	015	015	015	015
Lab I.D.			Dept					AILK				SE:		1			Ser 12	2	Kalk	(EPA N	(EPA M	(EPA M	(EPA M	(EPA M	(EPA M	(EPA M	(EPA M	(EPA M
DSH-01	H346394	oanipie	100000												OTHER.		DATE	DATE TIME	DATE TIME	DATE	TIME Chloride	Chloride TPH Exte	Chloride TPH Exte	Chloride TPH Exte	Chloride TPH Exte	Chloride TPH Exte	Chloride TPH Exte	Chloride TPH Exte
DSH-02		DSH-01	1	1 (G			×					×			8	\$/14/2024	14/2024 11:18		11:18	11:18 X	11:18 X X	11:18 X X	11:18 X X	11:18 X X	11:18 X X	11:18 X X	11:18 X X
DSH-02		DSH-01	-	-		7	\forall	×					×	-	-		8/14/2024	8/14/2024 11:35		11:35	11:35 X	11:35 X X	11:35 X X	11:35 X X	11:35 X X	11:35 X X	11:35 X X	11:35 X X
DSH-02		DSH-02	1	1				×					×				8/14/2024	8/14/2024 12:06		12:06	12:06 X	12:06 X X	12:06 X X	12:06 X X	12:06 X X	12:06 X X	12:06 X X	12:06 X X
S DSH-04 I I I G I X X X S S DSH-04 I DSH-04 I I G I X X X S S DSH-04 I DSH-05 I DSH-05 I DSH-05 I DSH-05 I DSH-05 I I G I X X X S S S DSH-05 I DSH-05 I DSH-05 I I G I X X X S S S S S S S S S S S S S S S S		DSH-02	+	+	G	+	+	×	+	+	+		×	+	-		8/14/2024		12:45	12:45 X	12:45 X X	12:45 X X	12:45 X X	12:45 X X	12:45 X X	12:45 X X	12:45 X X	12:45 X X
DSH-05 DSH-05 DSH-05 DSH-06 DSH-06		DSH-04	1		5 6	+	+	×		+	+	+	×	+	~		8/17/2024	/17/2024 13:26	1	13:26	13:26 X	13:26 X X	13:26 X X	13:26 X X	13:26 X X	13:26 X X	13:26 X X	13:26 X X
DSH-05 DSH-05 DSH-05 DSH-06 D		DSH-04		-	-	-		×		\dashv			×		~	00	8/17/2024			13:29	13:29 X	13:29 X X	13:29 X X	13:29 X X	13:29 X X	13:29 X X	13:29 X X	13:29 X X
DSH-05 DSH-06		S DSH-05	1	1	-		Н	×		Н			×		00	00	8/17/2024	/17/2024 13:35		13:35	13:35 X	13:35 X X	13:35 X X	13:35 X X	13:35 X X	13:35 X X	13:35 X X	13:35 X X
Corrected By: (Circle One) Circle One) Cotter Other: Corrected By: C		9 DSH-05			G	-		×					×		~	8	8/17/2024	/17/2024 13:37		13:37	13:37 X	13:37 X X	13:37 X X	13:37 X X	13:37 X X	13:37 X X	13:37 X X	13:37 X X
LASE NOTE: Labelly and Demayer. Cardinal shalling and clearly seed before sections of the service beard on correct or lost, cardinal shalling and clearly seed the respect of the service beard on correct or lost, cardinal shalling and clearly clearly desired clearly shalling or successors arising of the clear professor that be demand under under under the standalization. Collinquished By: Collinquis		DSH-06	1		G	-	-	×			Г		×	-		-	8/17/2024	8/17/2024 13:42		13:42	13:42 X	13:42 X X	13:42 X X	13:42 X X	13:42 X X	13:42 X X	13:42 X X	13:42 X X
One)	PLEASE NOTE: Liability and Damages. Co analyses. All claims including those for rega consequental damages, including without line affiliates or successors arising out of or relat	ardmait laukally and clients exclusive terney) for any cliam arising whe lighence and any other cause whateveve shall be deemed waived unless trablish, business interruptions, joss of use, or loss of profits incurred by ted to the performance of services hereunder by Cardinal, regardless of ted to the performance of services hereunder by Cardinal, regardless of ted.	sther based in contract ss made in writing and in y client, its subsidiaries of whether such claim is	aceived b	y Cardina on any o	al within.	30 days	after o	omplets	con of t	he app	Cable	service	in no		*		event shall Cardinal be liable for incidental or										
I By: Date: 2.45	Relinquished By:	01	Date: 1	376	24	ecei	ved	By:							- 1	- 1		Verbal Res	Verbal Result:	Verbal Result: ☐ Yes	Verbal Result: ☐ Yes ☐ No	Verbal Result: ☐ Yes ☐ No Add'	Verbal Result: ☐ Yes ☐ No Add'I Ph	Verbal Result: ☐ Yes ☐ No Add'I Phone All Results are emailed. Please provide Email address	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:
I By: Date:	AL STATE OF THE ST	21	Time: [/	54.7														joe: ch	joesph.gu chuck.sn gus.san	joesph.guesnier@ chuck.smith@ter gus.sanchez@te	joesph guesnier@terracon.cc chuck.smith@terracon.cc gus.sanchez@terracon.c	joesph.guesnier@terracon.com; chuck.smith@terracon.com;becl gus.sanchez@terracon.com aus	joesph.guesnier@terracon.com; travis chuck.smith@terracon.com;beckysue gus.sanchez@terracon.com austin.w	joesph.guesnier@terracon.com; travis.casey chuck.smith@terracon.com;beckysue mille gus.sanchez@terracon.com austin.worleyi	joesph.guesnier@terracon.com; travis.casey@tei chuck.smith@terracon.com;beckysue.miller@tei gus.sanchez@terracon.com austin.worley@terr	joesph.guesnier@terracon.com; travis.casey@terraco chuck.smith@terracon.com;beckysue.miller@terracon gus.sanchez@terracon.com austin.worley@terracon	joesph.guesnier@terracon.com; travis.casey@terracon.con chuck.smith@terracon.com;beckysue.miller@terracon.com gus.sanchez@terracon.com austin.worley@terracon.com	joesph.guesnier@terracon.com; travis.casey@terracon.com; chuck.smith@terracon.com;beckysue.miller@terracon.com gus.sanches@terracon.com austin.worley@terracon.com
Observed Temp. *C D.A.: Coop Intact *CO.3: *CO.3: No N	Relinquished By:		Date:	S:S	1-	(ece	(V) ed	By:	D	0	1	70	0	2	6		1	1	1	1	REMARKS: Cost Code: 1137941001	1	1	1	1	1	1	1
Bus -Other: Corrected Temp. Cool.	Deliered By: (Circle One)		°C Observe	Demi				co	ampl	G .	ndit	ion		-	= #		(Initials)				Turnaround Time: Standa	Turnaround Time: Standa	Turnaround Time: Standard	Turnaround Time: Standard	Turnaround Time: Standard	Turnaround Time: Standard	Turnaround Time: Standard	Turnaround Time: Standard
		- Other:	Correcte	O'Temp			- 2	200	Yes	N I	□ s t	ō	^	01	D	1 ~	\	Thermometer ID Correction Factor	Thermometer ID #113 Correction Factor #35 C	Thermometer ID #113 Correction Factor #05°C	90	O.Rush 0	O.Rush 010	O.Rush 010	O.U. O. O.O.	O.U. O. O.O.	O.U. O. O.O.	O.Rush 010

Deliered By: (Circle One)

ampler - UPS

- Bus

- Other:

Corrected Temp.

Cool Intact

Byres Dyres

No D No

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: Standard

Bacteria (only) Sample Condition

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

nometer ID #113

りんしい

O Cool

Observed Temp. °C
Corrected Temp. °C

Date:

Received By

Time: 15-38

ORM-006 R 3.2 10/07/21

Relinquished By:

Relinquished By

whether such claim is bar

10-18-24

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

joesph.guesnier@terracon.com; travis.casey@terracon.com; chuck.smith@terracon.com;beckysue.miller@terracon.com

gus.sanchez@terracon.com austin.worley@terracon.com REMARKS: Cost Code: 1137941001

Received By:

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

(575) 393-2326

FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon	on									î			BILL TO:					ANA	YS F	ANALYS REQUEST	TS
Project Manager: Austin Worley	Worley									P.O. #:	*										
Address:	4526 W. Pierce Street									Con	pany	TX	Company: XTO Energy								
City:	Carlsbad		St	State: NM	Z	Zip:	Zip: 88220			Attn	Attn: Colton Brown	on B	nwo								
Phone #:	5756895949	Fax #:								Add	Address:		3104 E Gr	Greene St.							
Project #:	KH247048	Project Owner: XTO Energy	Own	er: X	TOE	nergy				City:			Carlsbad	_							
Project Name:	PLU 210									State:	e:		NM, 88220	20	00)		B)				
Project Location:	Lea									Pho	Phone #:				145		21				
Sampler Name:	Gus Sanchez				1					Fax #	*	1			00		80		_	_	
	Ous Sailcrick	1	4	4	4	١	MATRIX	1		1	DBECEBY		SAMBI INC		th	15	d			_	
		Depth	_	(C)OM				\dashv			1		Jan 100		EPA M	ded 80	Meth				
Lab I.D.	Sample I.D.	art	nd		UND	TEW		OGE)/BAS	/ coo	ER:			ride (Exter	X (EPA	i			
H246394			_	-			SOIL	OIL	OTH	_	ICE .	OTH	10 DATE	TIME	Chlo	ТРН	вте	Hole			
/	/ DSH-07	1	1	G	1		×				×	-00	8/17/2024	13:45	×	×	×			-	
/	2 DSH-08	1	1	G	1	-	×				×	~	8/17/2024	13:52	×	×	×				
	3 DSV-01	0.5 (0.5	G	1	-	×	_			×	00	/17/2024	13:55	×	×	×				
1	♥ DSV-01	2.5	2.5	G	1	-	×	_			×	-00	8/17/2024	13:59	×	×	×				
,1	DSV-01	5	5	G	1	-	×				×	00	8/17/2024	14:01				×			
1/	6 DSV-02	0.5	0.5	G	1	-	×				×	-	8/17/2024	14:05	×	×	×				
	7 DSV-02	2.5	2.5	9	1		×				×	-00	8/17/2024	14:07	×	×	×				
	8 DSV-02	4.5	4.5	9	1		×	_			×	00	/17/2024	14:09	×	×	×				
, ,	9 DSV-03	0.5 (0.5	G	1	Н	×	Н			×	00	/17/2024	14:27	×	×	×				
2	DSV-03	2.5	2.5	9	2	7	×	4			×	200	8/17/2024	14:29	×	×	×				

beliered By: (Circle One)

ampler - UPS

- Bus

Other:

Corrected Temp.

Cool Intact Sample Condition

(Initials)

Turnaround Time: Standard

1

Bacteria (only) Sample Condition

Corrected Temp. °C Observed Temp. °C

10-18-24

Time: 12:45

Date:

Received By:

10-18-24

All Results are emailed. Please provide Email address:

joesph.guesnier@terracon.com; travis.casey@terracon.com chuck.smith@terracon.com;beckysue.miller@terracon.com

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

gus.sanchez@terracon.com austin.worley@terracon.com REMARKS: Cost Code: 1137941001

ORM-006 R 3.2 10/07/2

Relinquished By:

Relinquished By:

101 East Marland, Hobbs, NM 88240 aboratories ARDINAL

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Location: Sampler Name: Project #: Phone #: Project Manager: Austin Worley Company Name: Terracon roject Name: Address: 1246394 (575) 393-2326 Lab I.D. DSV-05 DSV-04 5756895949 DSV-04 PLU 210 Carlsbad 4526 W. Pierce Street Lea KH247048 Gus Sanchez FAX (575) 393-2476 Sample I.D. Fax #: Project Owner: XTO Energy 0.5 2.5 0.5 Depth Start 0.5 2.5 0.5 End State: NM 9 G 9 (G)RAB OR (C)OMP. # CONTAINERS GROUNDWAT Zip: 88220 WASTEWATER MATRIX SOIL OIL SLUDGE OTHER: State: City: P.O. #: ACID/BASE: Fax #: Company: XTO Energy Phone #: Attn: Colton Brown Address: PRESERY ICE / COOL × OTHER 10/17/2024 10/17/2024 10/17/2024 BILL TO: DATE 3104 E Greene St. SAMPLING NM, 88220 Carlsbad 14:34 14:42 14:37 TIME Chloride (EPA Method4500) × × TPH Extended 8015 BTEX (EPA Method 8021B) ANALYS REQUEST Hold



November 05, 2024

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU 210

Enclosed are the results of analyses for samples received by the laboratory on 10/31/24 12:30.

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:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/31/2024 Reported: 11/05/2024

11/05/2024 PLU 210

mg/kg

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - LEA CO NM

Sampling Date: 10/31/2024

Sampling Type: Soil

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

Sample ID: DSH - 09 1' (H246645-01)

BTEX 8021B

BIEX 6021B	ilig	/ Kg	Allalyze	и ву: эп					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.23	112	2.00	1.89	
Toluene*	<0.050	0.050	11/01/2024	ND	2.42	121	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.51	126	2.00	6.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	7.52	125	6.00	7.29	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	192	16.0	11/01/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	207	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	197	98.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 10/31/2024 Sampling Date: 10/31/2024

Reported: 11/05/2024 Sampling Type: Soil

Project Name: PLU 210 Sampling Condition: Cool & Intact
Project Number: KH247048 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO - LEA CO NM

Sample ID: DSH - 09 3' (H246645-02)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	2.23	112	2.00	1.89	
Toluene*	<0.050	0.050	11/01/2024	ND	2.42	121	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.51	126	2.00	6.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	7.52	125	6.00	7.29	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/01/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	207	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	197	98.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Notes and Definitions

S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

atories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Dellered By: (Circle One) Sampler - UPS - Bus		Relinquished By:	M	Relinquished By:	PLEASE NOTE: Liability and Demagor analyses, All claims ecluding litroe for consequental damages, including without consequental damages.					HOTUET-	Lab I.D.	FOR LAB USE ONLY	Project Location:	Project Name:	Project #:	Pnone #:	City:	Address:	Project Manager: Austin Worley	Company Name: Terracon
s Other:					other cause whatsoever shall be deen interruptions, loss of use, or loss of a nance of services hereunder by Card	The article will be designed by any digital stable to be a stable to contact or too, shall be designed to the articles.		2 Ost-09 21	1 D2 H - O4 1.	200	Sample I.D.	ODS Squiches	Con Conches	PLU 210	NUCATO OTO	8V02VCHA	Carisbad	4526 W. Pierce Street	0	on
Comeded Temp	Time:		2	Date: R	emad waiyad unless made in writing and received by Cardinal within 30 days aller completion of the (profiles included by delert, its eutoutations). direat, regardess of whitefore such clients in a based upon any of the stone stated reasons or otherwise direat, regardess of whitefore such clients in a based upon any of the stone stated reasons or otherwise	wither based in contract or tort, shall be limite		200	1 1 1	-	Start Dept	1P.				Project Owner: XTO Energy	Fax #:	State: NM		
Sample Condition Cool Intact Ares Ares No No		Received By:	Shooking	Received By:	nad wai-yad un'eas made in seting amd eceivant by Cardinal within 30 days after completion of the application service. Typida incurred by clerk, its subdictionie. Tall, inguitates of whicher such claims is based dupon any of the stone stated neasons or otherwise.	d to the amount paid by the client for the			-	5	GROUNDWAT WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE:	MATRIX	Fax#:	Pho	State:	Energy City:		Zip: 88220 Attn	Compa	
Cool Intact Cool Intact Cool C	CP CP		red.		SAPPAIDE. IN THE PRINTER START CARRIES OF THE PRINTER OF THE PRINT			\parallel	10-31-24	1 10-31-24	OTHER:	PRESERV. SAMPLIN	(#:	Phone #:		: Carlsbad	Address: 4526 W.	Attn: Austin Worley	Company: Terracon	
Thermometer to start 72	+	NEW PROPERTY.	joesph.g chuck.sr gus.sar	Verbal Result: Yes □ No Add'I Phone #: All Results are emailed. Please provide Email address:		take for incidental or		-	\dashv	24 10:34		G	tho		NM, 88220		V. Pierce St.			
Rush 72 h	standard		Jesnier@terraco nith@terracon.c ichez@terracon	ed. Please pro		F	1		1	1	TPH Extended BTEX (EPA Me	-	_	021	В)					
Sh Cool Oyes No.	☐ Bacteria		joesph.guesnier@terracon.com; travis.casey@terracon.com; chuck.smith@terracon.com;beckysue.miller@terracon.com gus.sanchez@terracon.com austin.worley@terracon.com	Add'I Phone vide Email address				3		*	Hold									
Observed Temp. °C Corrected Temp. °C	Bacteria (only) Sample Condition		y@terracon.com; en@terracon.com	* *																



November 26, 2024

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU 210

Enclosed are the results of analyses for samples received by the laboratory on 11/20/24 11:46.

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)

Wite Sough

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported:

11/26/2024

Project Name: PLU 210 Project Number: KH247048

Project Location: XTO - EDDY CO NM Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 01 0.5' (H247082-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	0.078	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	0.086	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	0.570	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	0.734	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8080	16.0	11/22/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	177	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	31.6	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Applyand By 14

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424

Fax To:

Received: 11/20/2024

Reported: 11/26/2024 Project Name: **PLU 210** Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 02 0.5' (H247082-02)

BTEX 8021B

	9/	<u>a</u>	Analyzo	a 2 y : 5 : 1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9040	16.0	11/22/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	147	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	31.1	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						

Analyzed By: JH

106 % 49.1-148 Surrogate: 1-Chlorooctadecane

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported:

11/26/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 03 0.5' (H247082-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	11/22/2024	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	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	178	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	38.1	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	93.4 9	% 48.2-13	4						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh

Surrogate: 1-Chlorooctadecane

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

105 %

49.1-148



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported:

11/26/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 04 0.5' (H247082-04)

BTEX 8021B	mg,	'kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	11/22/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	61.6	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	19.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424

Fax To:

Received: 11/20/2024 Reported:

11/26/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 05 0.5' (H247082-05)

BTEX 8021B

	<u> </u>	<u> </u>		. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1 % 71.5-13		4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	11/22/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	18.1	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported:

11/26/2024 Project Name: **PLU 210**

KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 06 0.5' (H247082-06)

Project Number:

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	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	11/22/2024	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	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	64.1	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024

Reported: 11/26/2024 Project Name: PLU 210

Project Location: XTO - EDDY CO NM

KH247048

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 07 2.5' (H247082-07)

Project Number:

BTEX 8021B

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	11/22/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024

Reported: 11/26/2024 Project Name: PLU 210 Project Number: KH247048

Project Location: XTO - EDDY CO NM

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 08 2.5' (H247082-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.19	109	2.00	7.69	
Toluene*	<0.050	0.050	11/21/2024	ND	2.24	112	2.00	9.46	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.14	107	2.00	9.83	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.82	114	6.00	7.81	
Total BTEX	<0.300	0.300	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	11/22/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.0	10.0	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	681	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	113	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	101 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	'8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424

Fax To:

Received: 11/20/2024 Reported:

11/26/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 09 2.5' (H247082-09)

BTEX 8021B

DRO >C10-C28*

EXT DRO > C28 - C36

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	11/23/2024	ND	2.08	104	2.00	7.12	
Toluene*	<0.050	0.050	11/23/2024	ND	2.01	101	2.00	3.67	
Ethylbenzene*	<0.050	0.050	11/23/2024	ND	2.08	104	2.00	3.84	
Total Xylenes*	0.308	0.150	11/23/2024	ND	6.24	104	6.00	3.26	
Total BTEX	0.308	0.300	11/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Chloride	Result 14400	Reporting Limit	Analyzed 11/22/2024	Method Blank	BS 432	% Recovery	True Value QC 400	RPD 3.77	Qualifier
,		16.0	11/22/2024			,	·		Qualifier
Chloride	14400	16.0	11/22/2024	ND		,	·		Qualifier Qualifier

ND

ND

185

92.5

200

0.684

11/21/2024

11/21/2024

Analyzed By: JH

Surrogate: 1-Chlorooctane 101 % 48.2-134 Surrogate: 1-Chlorooctadecane 106 % 49.1-148

599

202

10.0

10.0

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424

Fax To:

Received: 11/20/2024

Reported: 11/26/2024 Project Name: **PLU 210**

Project Number: KH247048 XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 10 2.5' (H247082-10)

BTEX 8021B

GRO C6-C10*

DRO >C10-C28*

EXT DRO >C28-C36

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2024	ND	2.08	104	2.00	7.12	
Toluene*	<0.050	0.050	11/23/2024	ND	2.01	101	2.00	3.67	
Ethylbenzene*	<0.050	0.050	11/23/2024	ND	2.08	104	2.00	3.84	
Total Xylenes*	<0.150	0.150	11/23/2024	ND	6.24	104	6.00	3.26	
Total BTEX	<0.300	0.300	11/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	11/22/2024	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

11/21/2024

11/21/2024

11/21/2024

201

202

101

101

200

200

0.204

0.726

ND

ND

ND

Analyzed By: JH

Surrogate: 1-Chlorooctane 98.0 % 48.2-134 Surrogate: 1-Chlorooctadecane 100 % 49.1-148

<10.0

40.0

<10.0

10.0

10.0

10.0

Cardinal Laboratories *=Accredited Analyte

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

Mile South



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported:

11/26/2024 **PLU 210**

Project Name: Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 11 0.5' (H247082-11)

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	11/23/2024	ND	2.08	104	2.00	7.12	
Toluene*	<0.050	0.050	11/23/2024	ND	2.01	101	2.00	3.67	
Ethylbenzene*	<0.050	0.050	11/23/2024	ND	2.08	104	2.00	3.84	
Total Xylenes*	< 0.150	0.150	11/23/2024	ND	6.24	104	6.00	3.26	
Total BTEX	<0.300	0.300	11/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	11/22/2024	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	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	304	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	16.7	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported: 11/26/2024

Reported: 11/26/2024 Project Name: PLU 210

KH247048

Project Location: XTO - EDDY CO NM

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 12 0.5' (H247082-12)

Project Number:

RTFY 8021R

BIEX 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	11/23/2024	ND	2.08	104	2.00	7.12	
Toluene*	<0.050	0.050	11/23/2024	ND	2.01	101	2.00	3.67	
Ethylbenzene*	<0.050	0.050	11/23/2024	ND	2.08	104	2.00	3.84	
Total Xylenes*	<0.150	0.150	11/23/2024	ND	6.24	104	6.00	3.26	
Total BTEX	<0.300	0.300	11/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	11/22/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	11.5	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported: 11/26/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - EDDY CO NM

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 13 0.5' (H247082-13)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	11/22/2024	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	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	86.6	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	23.2	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024

Reported: 11/26/2024 Project Name: **PLU 210**

XTO - EDDY CO NM Project Location:

KH247048

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 14 0.5' (H247082-14)

Project Number:

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	11/22/2024	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	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	30.4	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported:

11/26/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 15 0.5' (H247082-15)

RTFY 8021R

BIEX 8021B	mg,	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	11/22/2024	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	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	23.6	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024

Reported: 11/26/2024 Project Name: **PLU 210**

Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 16 0.5' (H247082-16)

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	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	11/22/2024	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	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	1250	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	35.6	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported:

11/26/2024 **PLU 210**

Project Name: Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 17 0.5' (H247082-17)

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	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	11/22/2024	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	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	89.2	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported:

11/26/2024

Project Name: **PLU 210** Project Number: KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: CSF - 18 0.5' (H247082-18)

BTEX 8021B

DILX GOZID	iiig/	- Kg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	11/22/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported: 11/26/2024

11/26/2024 PLU 210

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - EDDY CO NM

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: N - SW - 01 0-0.5' (H247082-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	11/22/2024	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	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	24.0	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported: 11/26/2024

11/26/2024 PLU 210

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - EDDY CO NM

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: W - SW - 01 0-0.5' (H247082-20)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	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	4480	16.0	11/22/2024	ND	416	104	400	0.00	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	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	14.2	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Single



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024

11/26/2024

Sampling Date: Sampling Type: 11/19/2024

Soil

Reported: Project Name:

PLU 210 KH247048

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

Project Number: Project Location:

BTEX 8021B

XTO - EDDY CO NM

mg/kg

Sample ID: E - SW - 01 0-0.5' (H247082-21)

DIEX COLLD	9/	<u>"9</u>	Allalyzo	u 5 y . 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 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	13500	16.0	11/22/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	128	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	30.8	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	1						

Analyzed By: JH

 Surrogate: 1-Chlorooctadecane
 102 %
 46.2-134

 Surrogate: 1-Chlorooctadecane
 102 %
 49.1-148

Cardinal Laboratories *=Accredited Analyte

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

Me Sough

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 22 of 27



Analytical Results For:

TERRACON CONSULTANTS **AUSTIN WORLEY** 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/20/2024 Reported: 11/26/2024

PLU 210

KH247048

XTO - EDDY CO NM Project Location:

Sampling Date: 11/19/2024

Sampling Type: Soil

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

Sample ID: S - SW - 01 0-0.5' (H247082-22)

Project Name:

Project Number:

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	11/22/2024	ND	2.41	120	2.00	5.05	
Toluene*	<0.050	0.050	11/22/2024	ND	2.45	122	2.00	4.47	
Ethylbenzene*	< 0.050	0.050	11/22/2024	ND	2.33	116	2.00	4.17	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.31	122	6.00	3.39	
Total BTEX	<0.300	0.300	11/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 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	2480 16.0		11/22/2024 ND		416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	201	101	200	0.204	
DRO >C10-C28*	876	10.0	11/21/2024	ND	202	101	200	0.726	
EXT DRO >C28-C36	21.3	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

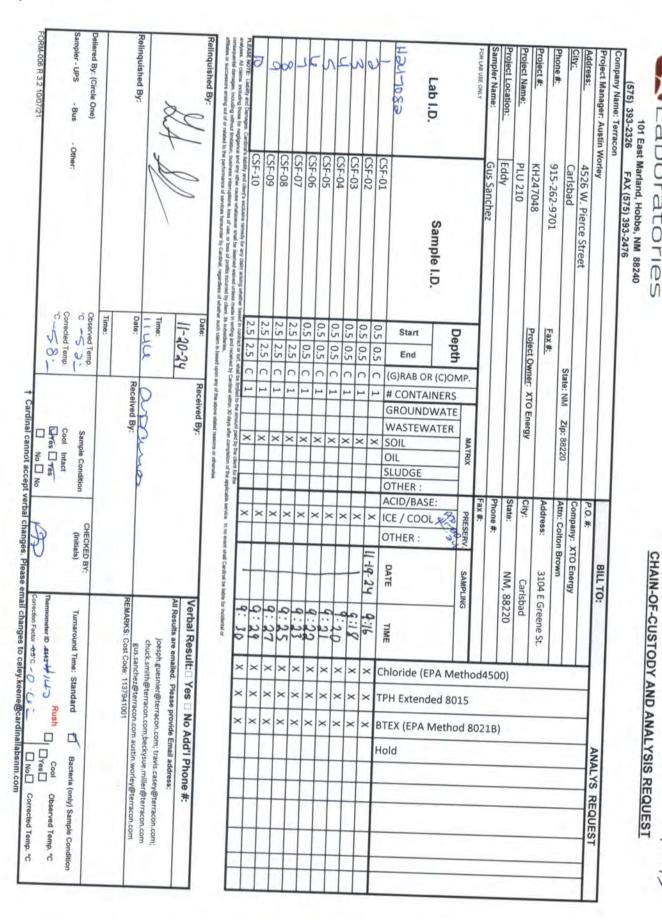
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived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

Mile Sough

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 24 of 27

ARDINAL aboratories



Page 25 of 27

liered By: (Circle One) pler - UPS

- Bus

- Other:

Observed Temp.
"C -5 3 2
Corrected Temp.
"C -5 8

Cool Intact

Dyes Sixes

No No No

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: Standard eter ID #13#140

D

Bacteria (only) Sample Condition

Rush

010400

ONOO

Corrected Temp. °C Observed Temp. °C REMARKS: Cost Code: 1137941001

chuck.smith@terracon.com;beckysue.miller@terracon.com joesph.guesnier@terracon.com; travis.casey@terracon.com gus.sanchez@terracon.com austin.worley@terracon.com

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

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

ection Factor -e-5°C -0 .0 -

B

Time:

Date: Time:

Received By:

11-20-24

Received By:

DRM-006 R 3.2 10/07/21

Relinquished By:

Bank PE

Relinquished By:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Austin Worley	Worley		BILL TO:	
Address:	4526 W. Pierce Street		P.O.#:	ANALYS REQUEST
City:	Carlsbad		Company: XTO Energy	
Phone #:	915-262-9701	Fav #-	Attn: Colton Brown	
roject #:	KH247048		Address: 3104 E Greene St.	
roject Name:	PLU 210	riolect Owner: XTO Energy	City: Carlsbad	
roject Location:	Eddy		State: NM, 88220	0)
Sampler Name:	GIE Campha-		Phone #:	
FOR LAB USE ONLY	Cas SailClies		Fax #	
		o. MATRIX	ECEDY	5
	o and a	VERS		d 801
egor neg		Start End (G)RAB OR CONTAI GROUND WASTEW OIL LUDGE THER:	CID/BASE CE / COOL THER :	loride (EF H Extendo EX (EPA N
-	CSF-11	- # V < Si O	A IC O DATE	TP
	CSF-12	05 6 1	x [1-19-24 13:04	×
	CSF-13	0.5 C 1	11-19-24	×
1	CSF-14	0.5 C 1	20:21/2-6-11 ×	×
	CSF-15	0.5 6 1		+
6	CSF-16	0.5 6 1	11-0-11	×
	CSF-17	05 0 1		-
0	CSF-18	7 2 50	1-19-24	×
		9	x 11-19-24 13:19	
E NOTE: Lublity and Damages. Card		LEASE NOTE: Liability and Damages. Cardinals in Lands and January 1997.		

pier - UPS

- Bus

Other:

Corrected Temp.

Cool Intact

Sample Condition

CHECKED BY:

(Initials)

Turnaround Time: Standard

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

ction Factor -0.5°C - O .C

ter ID #113 TE 145

Rush

Bacteria (only) Sample Condition

Q

Cool

□Yes□

Corrected Temp. °C Observed Temp. °C iered By: (Circle One)

IRM-006 R 3.2 10/07/21

Relinquished By:

Date:

Received By:

REMARKS: Cost Code: 1137941001

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

joesph.guesnier@terracon.com; travis.casey@terracon.com chuck.smith@terracon.com;beckysue.miller@terracon.com gus.sanchez@terracon.com austin.worley@terracon.com

Time:

11-20-24

Received By:

Time:

Relinquished By



ompany Name: Terracon

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

iliyass. All claims: including those I requental damages, including with liates or successors arising out of CSCL her Project Manager: Austin Worley Address: roject Name: hone #: roject Location: roject #: mpler Name: Lab I.D. W-SW-01 S-SW-01 E-SW-01 N-SW-01 PLU 210 Gus Sanchez Eddy KH247048 915-262-9701 4526 W. Pierce Street Carlsbad Sample I.D. 0 00 Depth 0 Start Project Owner: XTO Energy Fax #: 0.5 0.5 0.5 0.5 End 0 State: NM 0 (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATE Zip: 88220 WASTEWATER ×× ×× SOIL MATRIX OIL SLUDGE OTHER: ACID/BASE: Fax #: State: City: Phone #: Company: XTO Energy P.O. # Attn: Colton Brown Address: × × ICE / COOL OTHER: 11/19/24 DATE BILL TO: 3104 E Greene St. NM, 88220 SAMPLING Carlsbad 3:25 TIME × Chloride (EPA Method4500) × × × TPH Extended 8015 ×× BTEX (EPA Method 8021B) × Hold ANALYS REQUEST



December 16, 2024

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU 210

Enclosed are the results of analyses for samples received by the laboratory on 12/10/24 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TERRACON CONSULTANTS AUSTIN WORLEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/10/2024 Reported: 12/16/2024

Project Name: PLU 210
Project Number: KH247048

Project Location: XTO - EDDY CO NM

Sampling Date: 12/06/2024

Sampling Type: Soil

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

Sample ID: CFS - 16.2 0.5' (H247478-01)

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	12/11/2024	ND	2.05	102	2.00	3.26	
Toluene*	<0.050	0.050	12/11/2024	ND	2.03	102	2.00	3.56	
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.03	102	2.00	4.04	
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.11	102	6.00	4.57	
Total BTEX	<0.300	0.300	12/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 % 71.5-13		34						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768 16.0		12/11/2024 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	12/11/2024	ND	201	101	200	1.59	
DRO >C10-C28*	493	10.0	12/11/2024	ND	188	93.8	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Deliered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	B Maclo	PLASE WOTE: Liability and Demogre. Certhrife stability and clerife exclusive remay) as any cleam arealy committed and received by Cerdinal within 30 days after completion of the analyses. All cleams shoulding those for neighbors and any other cases whatcover and all all be deemed variety clients, this subdistrient, consequent ad company, including without irrelation, business interruptions, less of use, or loss of profits incurred by client, this subdistrient, and or any of the above stated resoons or otherwise affiliates or successors arising out of or related to the performance of services hereunder by Cerdinal, regarded or whether successors arising out of or related to the performance of services hereunder by Cerdinal, regarded or whether successors arising out of or related to the performance of services hereunder by Cerdinal, regarded or whether successors arising out of or related to the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal regarded and the performance of services hereunder by Cerdinal Regarded and the performance of services hereunder by Cerdinal Regarded and the performance of the services hereunder by Cerdinal Regarded and the performance of the services hereunder by Cerdinal Regarded and the performance of the services hereunder by Cerdinal Regarded					/ CF3-10.2		Lab I.D.	FOR LAB USE ONLY	Sampler Name: Becky Sue Meadows	Project Location: Eddy	Project Name: PLU 210	Project #: KH247048	Phone #: 5756895949	City: Carlsbad	Address: 4526 W. Pierce Street	Project Manager: Austin Worley	Company Name: Terracon	(575) 393-2326 FAX (5
-0.3		a de la companya de l	Cardinal's sizilly and clarifs exclusive remark for any came areas in excess in social cardinal within 30 days after completion of the applicable service. In no event that Cardinal within 30 days after completion of the applicable service. In no event that Cardinal excess social respective countered interruptions, less of use, or loss of profits incurred by clarif, its subsidialities. It initiation, business interruptions, less of use, or loss of profits incurred by clarific such claims is based upon any of the above stated resions or otherwise.					3.2	3	Sample I.D.											3-2326 FAX (575) 393-2476
	Time:	12- Time:	s made in writing y client, its subside (whether such cl	\vdash	Н	+	Н	+	+	Start	De	1			1100	Projec					
"C Corrected Temp. "C	100	12-10-24 imo: 1400	ng and races sidiaries, claim is bas						0.5	End	Depth	1			TO COL CHILD	Own		2			١
emp.		1	ved by Card and upon an			П			_	(G)RAB C		ΛF				er: XT	are. Ivi	State: NM			١
		Receiv	densi within 30 days after y of the above stated in Received BV:	indicate to the	+		+		_	GROUND		1				XTO Energy					١
-20 "		Received By:	o days after	amount paid by the client for the	F	П	\mathbf{H}		_	WASTEW	VATER	MA			5	VP	0.00	Zin: 88220			1
Sample Cond Cool Intact Tyes Pyes			asons or o	d by the ci	\pm		\parallel			OIL SLUDGE		MATRIX					1	ŏ			1
Sample Condition Cool Intact Types Hypes In No In No		M.	of the app hereise.	ed for the	\pm	\Box				OTHER:		4	77	7	(0)		D	D I	0 3	0	4
0 9		A	cable servi	H	+	Н	+		×	ACID/BA		PRE	Fax #:	Phone #:	State:	City:	Address	Attn: Colton Brown	ompan	PO #	
3	오		oe inno e	H	1	\Box	\top			OTHER :		PRESERV.		"			"	lton B	Y: XTC	١	
(Initials)	CHECKED BY:	St.	vent shall Cardinal be sale						12/06/24	DATE		SAMPLING			NM, 88220	Carlsbad	3104 E Green St.	rown	Company: XTO Energy		BILL TO:
Thermometer ID #115 #/40 Correction Factor -0 % C +- 12/		All Results are emailed. Please provide Email address: joesph.guesnier@terracon.com;travis.casey@terracon.com;chuck.smith@terracon beckysue.miller@terracon.com gus.sanchez@terracon.com REMARKS: Cost Code: 2096141001	Verbal Result: ☐ Yes ☐ No Add'l Phone #:						8:04	TIME					20	d	een St.				
1 -080 to 1		II Resulterrace eckysue st Code	sult:						×	Chlorid	e (EPA N	Лet	hoo	d45	00)	_	_		4	
the of	of and	its are e con.com miller@ 209614	Yes						×	TPH Ext	tended 8	801	5					_	_		
Rush	2	mailed. travis.ca terracon	No						×	BTEX (E	PA Met	hoo	1 8 t	021	B)				_		D
		Please sey@te	Add'I					\perp	1	Hold			_				_				ANALYS
Thermometer ID #113 # / WP Rush Cool Correction Factor -0 & 7- 12/6/24 Conscions Company	Bacter	provide rracon.co s. sanch	Phon	-	H	+	\mathbb{H}	+	+			_	_	_	_		_		_		
S &	ia (only	Email : om;chuc ez@tern	#	\vdash	Н	+	H	+	+											ī	REQUEST
Observed Temp. Corrected Temp.	Bacteria (only) Sample Condit	All Results are emailed. Please provide Email address: er@terracon.com.travis.casey@terracon.com.chuck.smith@ beckysue miller@terracon.com.gus.sanchez@terracon.com ost.Code: 2096141001		-	Н	+	Н	+	+	+				_							TST
Temp	Con	gterra		\vdash	H	+	H	++	+	+											1

Closure Documentation
PLU 210 | Eddy County, New Mexico
January 5, 2025 | Terracon Project No. KH247048
NMOCD Reference ID: nAPP2428245356



APPENDIX G - TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, XTO Energy.

Additional Scope Limitations

The development of this Closure Report is based on information provided by XTO Energy and Terracon's remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by XTO Energy. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

Reliance

This report has been prepared for the exclusive use of XTO Energy, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of XTO Energy and Terracon. Any unauthorized distribution or reuse is at XTO Energy sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and XTO Energy and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to XTO Energy and all relying parties unless otherwise agreed in writing.

Facilities | Environmental | Geotechnical | Materials

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 418497

QUESTIONS

ı	Operator:	OGRID:
ı	XTO ENERGY, INC	5380
ı	6401 Holiday Hill Road	Action Number:
ı	Midland, TX 79707	418497
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428245356
Incident Name	NAPP2428245356 POKER LAKE UNIT #210 @ 30-015-33593
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-33593] POKER LAKE UNIT #210

Location of Release Source					
Please answer all the questions in this group.					
Site Name	POKER LAKE UNIT #210				
Date Release Discovered	10/07/2024				
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 t	
Crude Oil Released (bbls) Details	Cause: Corrosion Producing Well Crude Oil Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Producing Well Produced Water Released: 13 BBL Recovered: 1 BBL Lost: 12 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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

QUESTIONS, Page 2

Action 418497

QUESTI	ONS (continued)
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380 Action Number: 418497 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative led or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com

Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 418497

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	418497
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan 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)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
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	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 500 and 1000 (ft.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Between 1 and 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan			
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
Requesting a remediation plan approval with this submission	Yes		
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated Yes			
Was this release entirely contained within a lined containment area No			
Soil Contamination Sampling: (Provide the highest observable value for each, in millig	grams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	18000		
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	17842		
GRO+DRO (EPA SW-846 Method 8015M)	14600		
BTEX (EPA SW-846 Method 8021B or 8260B)	16.6		
Benzene (EPA SW-846 Method 8021B or 8260B)	0		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.			
On what estimated date will the remediation commence	11/18/2024		
On what date will (or did) the final sampling or liner inspection occur	12/06/2024		
On what date will (or was) the remediation complete(d)	11/20/2024		
What is the estimated surface area (in square feet) that will be reclaimed	3435		
What is the estimated volume (in cubic yards) that will be reclaimed	745		
What is the estimated surface area (in square feet) that will be remediated	3435		
What is the estimated volume (in cubic yards) that will be remediated	What is the estimated volume (in cubic yards) that will be remediated 120		
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.			
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.			

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 418497

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	418497
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
D- 0.4- 4:- D- 540 45 00 44 NMAO		

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

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

I hereby agree and sign off to the above statement

Name: Robert Woodall Title: Environmental Analyst

Email: robert.d.woodall@exxonmobil.com

Date: 01/08/2025

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

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 418497

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	418497
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

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

QUESTIONS, Page 6

Action 418497

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	418497
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Closure Request

Sampling Event Information	
Last sampling notification (C-141N) recorded 408257	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/06/2024
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3435
What was the total volume (cubic yards) remediated	120
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3435
What was the total volume (in cubic yards) reclaimed	120
Summarize any additional remediation activities not included by answers (above)	"Areas exhibiting visual impact and the area that exceeded the closure criteria were excavated to a depth of between 0.5 feet to 2.5 feet bgs. A total of 23 five-point composite confirmation soil samples were collected from November 19, 2024, through December 6, 2024, and submitted for analysis of BTEX, chloride, and TPH. All but one confirmation sample yielded results for BTEX, chloride, and TPH below applicable NMOCD closure criteria. Confirmation sample CSF-16 exceeded the closure criteria with 1,250 mg/kg diesel range organics (DRO). This area was resampled on December 6, 2024, allowing two weeks for natural attenuation. The sample results for CSF-16.2 on December 6, 2024, reported TPH to be 493 mg/kg, which is below the applicable NMOCD closure criteria for this site of 1,000 mg/kg. The excavation was backfilled with imported fill material, leveled off, and compacted. Confirmation sample results are included in Appendix B as Table 2 and Table 3, respectively. A total of approximately 120 cubic yards (cu. yds.) of loose soil were excavated during remedial activities. The excavated material was disposed of at Lea Land Facility. Soil disposal waste manifests are available upon request. A Confirmation Sample Map depicting

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

the floor and wall sample locations and analytical results is included in Appendix A as Exhibit 8, respectively. Photographs of the project site are included in Appendix E. The analytical reports and Chain of Custody (COC) are included in Appendix F. Terracon's Standard of Care,

Limitation, and Reliance is included in Appendix G.

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

Name: Robert Woodall
Title: Environmental Analyst
Email: robert.d.woodall@exxonmobil.com
Date: 01/08/2025

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 418497

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	418497
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 418497

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	418497
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2428245356 POKER LAKE UNIT #210, thank you. This Remediation Closure Report is approved.	1/17/2025