



May 2, 2024

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

**Re: Closure Request
Outrider CVB
Incident Number nAPP2404750539
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document site assessment, excavation, and soil sampling activities at the Outrider CVB (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil into a lined containment and onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2404750539.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit J, Section 28, Township 24 South, Range 32 East, in Lea County, New Mexico (32.18638°, 103.67605°) and is associated with oil and gas exploration and production operations on Bureau of Land Management (BLM) Federal Land.

On February 2, 2024, a failure with a pump resulted in the release of approximately 18 barrels (bbls) of crude oil into the lined containment and onto the pad surface. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 17 bbls of released crude oil were recovered. XTO reported the release to the NMOCD via email on February 16, 2024, and submitted a Form C-141 Application (Form C-141) on February 28, 2024. The release was assigned Incident Number nAPP2404750539.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent livestock watering well. On June 10, 2021, a livestock watering well (C-4536 POD 1) was drilled 0.4 miles south of the Site. The well was drilled to a depth of 500 feet bgs and depth to water is documented

at 314 feet bgs. All wells used to determine depth to groundwater are depicted on Figure 1. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 33,365 feet east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

On March 6, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Two preliminary soil samples (SS01 and SS02) were collected within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the impacted soil. The preliminary soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for preliminary soil samples SS01 and SS02 indicated that BTEX, TPH-GRO/TPH-DRO, and TPH concentrations exceeded the Closure Criteria. Based on visible staining in the release area and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

A 48-hour advance notice of liner inspection was provided via email to the New Mexico Oil Conservation Division (NMOCD) District II office. A liner integrity inspection was conducted by Ensolum personnel on March 26, 2024 to evaluate the potential of any release of fluids that accumulated in containment. The

liner was determined to be in good working condition. Photo documentation was conducted during the liner inspection and a photographic log is included in Appendix B.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On April 8 and 9, 2024, Ensolum personnel were at the Site to oversee delineation and excavation activities. Delineation potholes PH01 through PH03 were advanced via trackhoe to maximum depths ranging from 4 feet bgs to 9 feet bgs within the release extent, to assess the vertical extent of the release. Delineation soil samples were collected from each pothole at depths ranging from 0.5 feet to 9 feet bgs. Soil from the delineation potholes were field screened for VOCs and chloride. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

Laboratory analytical results indicated that BTEX, TPH-GRO/TPH-DRO and/or TPH concentrations exceeded Closure Criteria for delineation soil sample PH01 at 0.5 feet bgs, PH01 at 4 feet bgs, PH02 at 1-foot bgs, PH03 at 0.5 feet bgs, PH03 at 1-foot bgs, and PH03 at 4 feet bgs. Laboratory analytical results for all other delineation soil samples indicated that all COC concentrations were compliant with the Closure Criteria. In addition, laboratory analytical results from delineation pothole PH01 collected at 6 feet and 9 feet bgs indicate COC concentrations are compliant with the strictest Table I Closure Criteria providing vertical delineation of the release. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix D.

Impacted soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results for the preliminary soil samples. Excavation activities were performed using a trackhoe and transport vehicle. The excavation occurred on the well pad near the production equipment. To direct excavation activities, Ensolum personnel screened soil for VOCs and. Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS12 were collected from the floor of the excavation from a depth of 4 feet bgs. Confirmation sidewall soil samples SW01 and SW04 were collected from the sidewalls of the excavation at depths ranging from ground surface to 4 feet bgs. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and confirmation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 2,400 square feet. A total of approximately 360 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the OWL Landfill Service in Jal, New Mexico. After completion of confirmation sampling, the excavation area was secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the confirmation floor soil samples FS01 through FS12 and sidewall soil samples SW01 through SW04, collected at depths ranging from ground surface to 4 feet bgs indicated that all COC concentrations were compliant with the Closure Criteria. Additionally, the confirmation sidewall soil samples collected from ground surface to 4 feet bgs indicated all COC concentrations were compliant with the reclamation requirement and confirm the lateral extent of the release. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

XTO Energy, Inc
Closure Request
Outrider CVB



CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the February 2, 2024, release of crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2404750539.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Tracy Hillard".

Tracy Hillard
Project Manager

A handwritten signature in black ink, appearing to read "Morrissey".

Tacoma Morrissey
Associate Principal

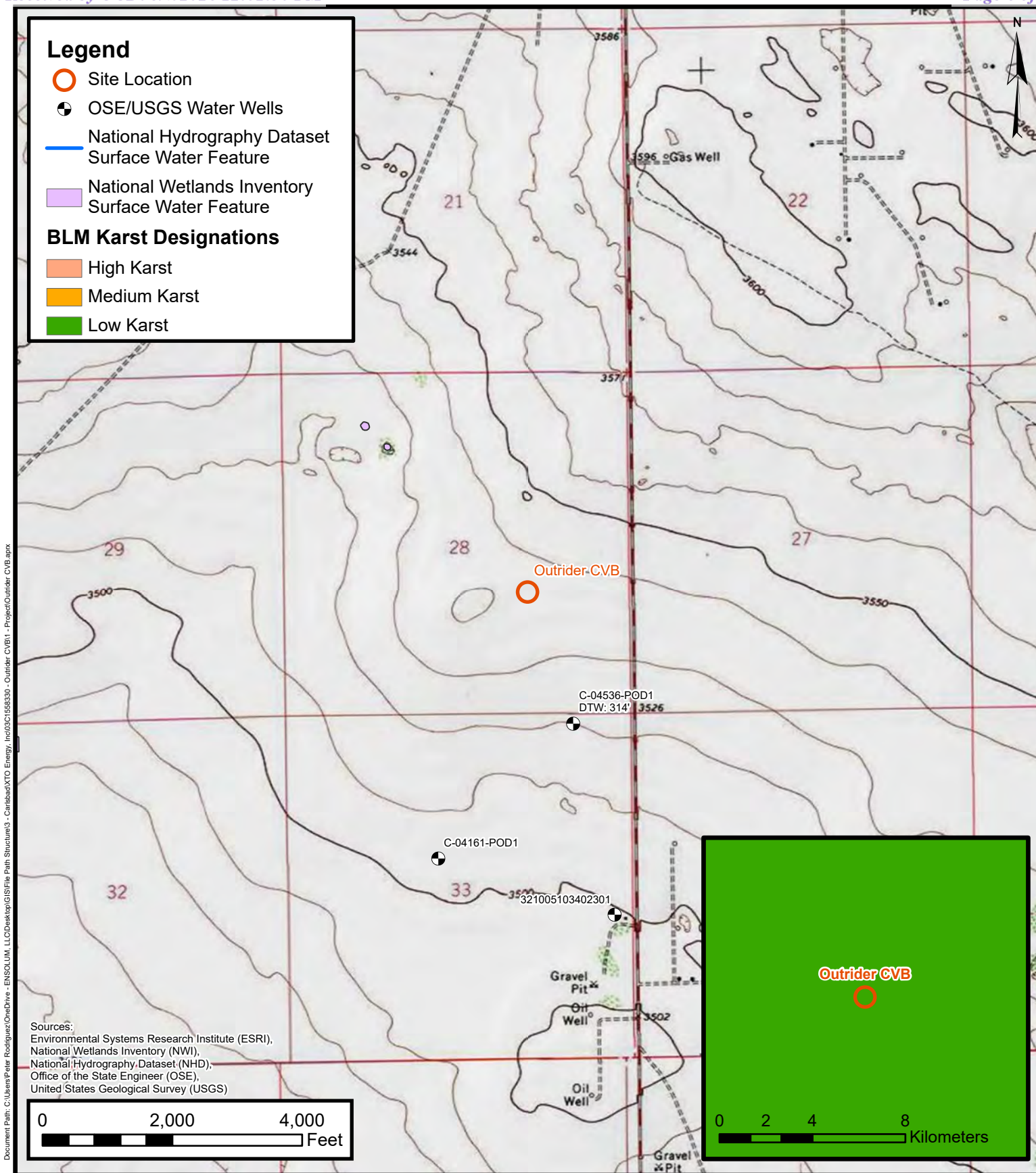
cc: Amy Ruth, XTO
Alan Romero, XTO
Bureau of Land Management

Appendices:




Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation

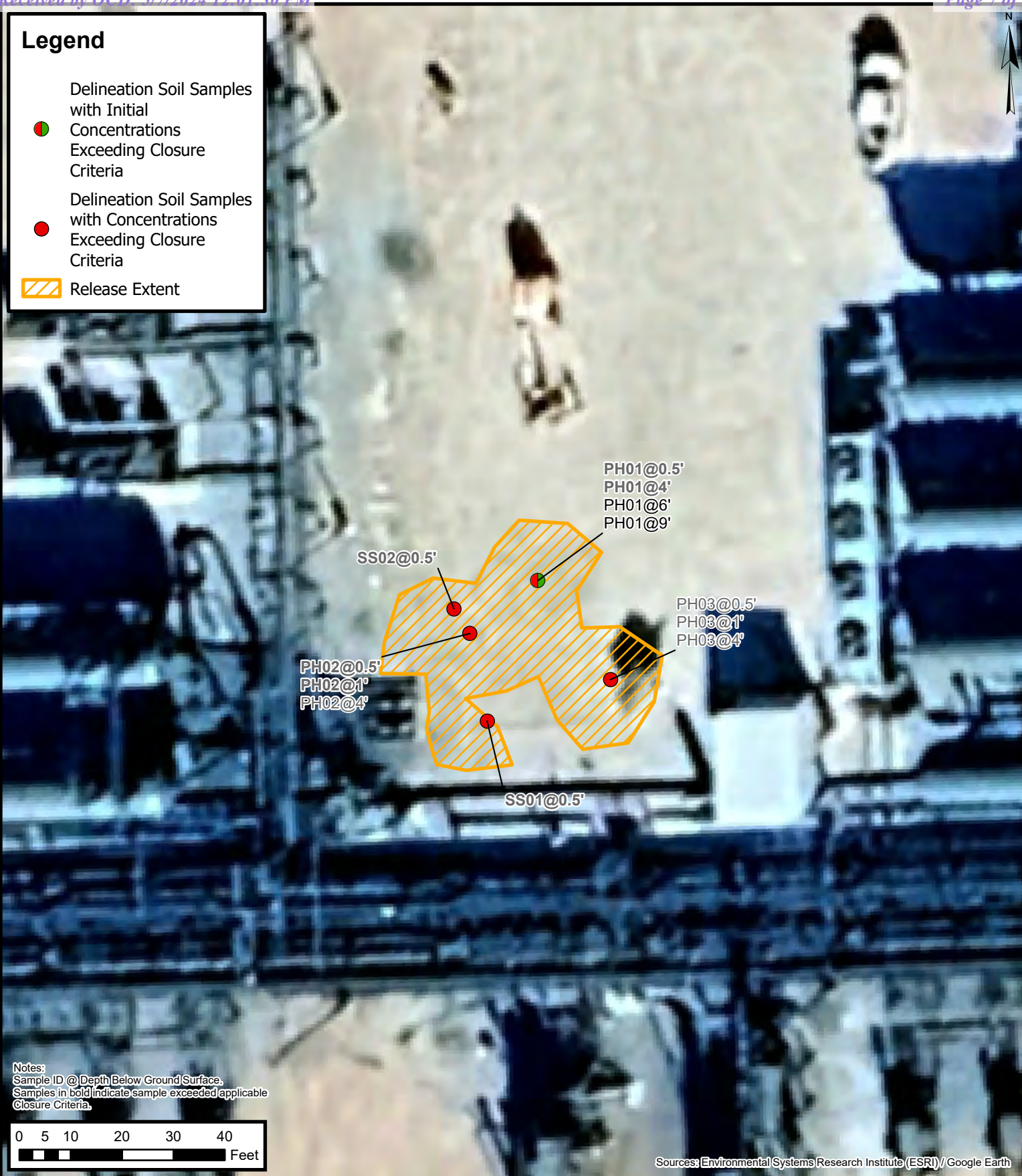


FIGURES



Legend

-  Delineation Soil Samples with Initial Concentrations Exceeding Closure Criteria
-  Delineation Soil Samples with Concentrations Exceeding Closure Criteria
-  Release Extent

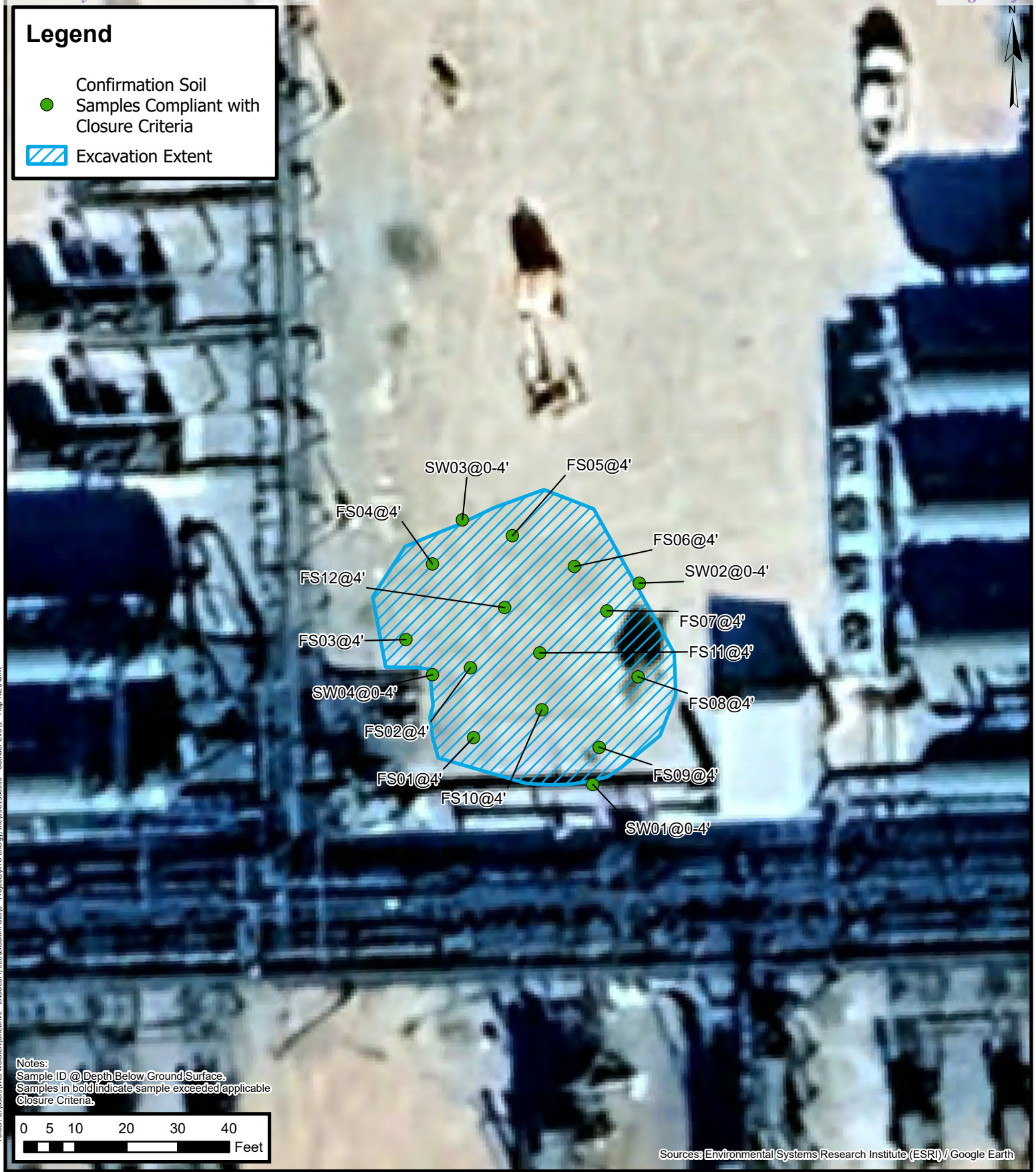


Delineation Soil Sample Locations

XTO Energy, Inc
Outrider CVB
Incident Number: nAPP2404750539
Unit J, Sec 128 T 24S, R 32E
Lea County, New Mexico, United States

FIGURE

2



Confirmation Soil Sample Locations
XTO Energy, Inc
Outrider CVB
Incident Number: nAPP2404750539
Unit J, Sec 128 T 24S, R 32E
Lea County, New Mexico, United States

FIGURE
3





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Outrider CVB
XTO Energy, Inc
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	03/06/2024	0.5	0.805	99.8	2,910	28,200	5,170	31,100	36,300	624
SS02	03/06/2024	0.5	1.56	102	2,990	10,800	1,490	13,800	15,300	2,800
PH01	04/08/2024	0.5	<0.500	128	2,930	7,950	1,140	10,800	11,900	2,480
PH01	04/08/2024	4	<0.050	5.98	185	1,540	255	1,720	1,980	432
PH01	04/08/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH01	04/08/2024	9	<0.050	<0.300	<10.0	60.0	<10.0	60.0	60.0	96.0
PH02	04/08/2024	0.5	<0.050	1.49	69.2	839	119	908	1,030	560
PH02	04/08/2024	1	<0.050	3.64	290	2,410	359	2,700	3,060	176
PH02	04/08/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PH03	04/08/2024	0.5	0.066	30.7	906	3,230	455	4,140	4,590	32.0
PH03	04/08/2024	1	0.086	19.1	759	2,120	300	2,880	3,180	32.0
PH03	04/08/2024	4	<0.050	9.58	206	1,060	169	1,270	1,440	32.0
Confirmation Soil Samples										
FS01	04/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS02	04/09/2024	4	<0.050	<0.300	<10.0	40.0	<10.0	40.0	40.0	96.0
FS03	04/09/2024	4	<0.050	<0.300	<10.0	65.7	<10.0	65.7	65.7	80.0
FS04	04/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS05	04/09/2024	4	<0.050	<0.300	<10.0	89.6	<10.0	89.6	89.6	128
FS06	04/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS07	04/09/2024	4	<0.050	<0.300	<10.0	16.1	<10.0	16.1	16.1	<16.0
FS08	04/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS09	04/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS10	04/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS11	04/09/2024	4	<0.050	<0.300	<10.0	188	22.1	188	210	80.0
FS12	04/09/2024	4	<0.050	<0.300	<10.0	186	18.0	186	204	64.0

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Outrider CVB
XTO Energy, Inc
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SW01	04/09/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW02	04/09/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW03	04/09/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW04	04/09/2024	0-4	<0.050	<0.300	<10.0	10.8	<10.0	10.8	10.8	48.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DTI JUL 9 2021 PM 1:52

OSE DTI JUN 21 2021 PM 10:14

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4536 POD 1		WELL TAG ID NO. 20E37		OSE FILE NO(S) C-4536 ✓		
	WELL OWNER NAME(S) BASIN PROPERTIES RANCHES LLC				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 3300 N A STREET, BLDG 1, STE 220				CITY MIDLAND	STATE TX	
					ZIP 79705		
WELL LOCATION (FROM GPS)	LATITUDE		DEGREES 32	MINUTES 10	SECONDS 50.8	N	
	LONGITUDE		103	40	25.9	W	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND							
* DATUM REQUIRED: WGS 84							
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1706		NAME OF LICENSED DRILLER Bryce Wallace			NAME OF WELL DRILLING COMPANY Elite Drillers Corporation	
	DRILLING STARTED 06/09/21	DRILLING ENDED 06/10/21	DEPTH OF COMPLETED WELL (FT) 500	BORE HOLE DEPTH (FT) 500	DEPTH WATER FIRST ENCOUNTERED (FT) 314		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 314	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
	0	20	12 3/4	STEEL	N/A	8.28	.337
	0	300	7 7/8	SDR17 PVC	SPLINE	4.3	SDR17
	300	500	7 7/8	SDR17 PVC	SPLINE	4.3	SDR17
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
	0	20	12 3/4	CEMENT	10	TOP FILL	
	0	20	7 7/8	CEMENT	6	TOP FILL	
	300	500	7 7/8	8/16 SILICA SAND	46	TOP FILL	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4536-POD 1	POD NO. 1	TRN NO. 695378
LOCATION STK 24.32.33.122	WELL TAG ID NO. 20E37	PAGE 1 OF 2

DSE DTI JUN 21 2021 RM10:14

4. HYDROGEOLOGIC LOG OF WELL

FOR OSE INTERNAL USE



APPENDIX B

Photographic Log

**Photographic Log**

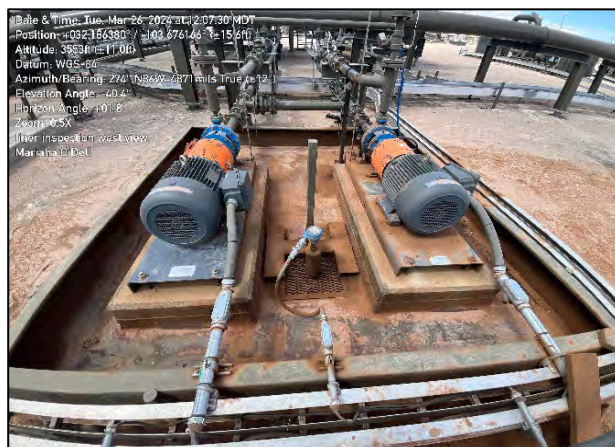
XTO Energy, Inc

Outrider CVB

Incident Number nAPP2404750539



Photograph: 1 Date: 3/6/2024
Description: Soil staining in initial assessment
View: Southwest



Photograph: 2 Date: 3/26/2024
Description: Delineation activities with potholes
View: Southwest



Photograph: 3 Date: 4/8/2024
Description: Delineation activities with potholes
View: Southwest





Photograph: 4 Date: 4/9/2024
Description: Excavation activities
View: Southwest




APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: PH01		Date: 4/9/2024	
								Site Name: Outrider CVB			
								Incident Number: NAPP2404750539			
								Job Number: 03C1558326			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: TH		Method: Trackhoe	
Coordinates: 32.186454, -103.676116								Hole Diameter: 2'		Total Depth: 9'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	CCHE	(0-1') CALICHE, white, well graded, odor present some brown sand			
Dry	3113	1614	N	PH01	0.5						
Dry	767	959.8	N		1	1	SP	(1-4') SAND, brown, poorly graded, odor, some caliche			
Dry	<168	188.9	N		2	2		(@2') no more caliche			
Dry	<168	57.9	N		3	3					
Dry	700	559.6	N	PH01	4	4	SP-SM	(@4') some silt added			
Dry	-	382.3	N		5	5					
Dry	-	35.7	N	PH01	6	6	SM	(@6') SAND, dark brown, fine, with silt and clay odor present			
Dry	-	78.1	N		7	7	CCHE	(7-9') CALICHE, beige, poorly graded, odor			
Dry	-	33.7	N		8	8					
Dry	-	114.8	N	PH01	9	9					
						10		Total Depth @ 9 feet bgs			
						11					
						12					

								Sample Name: PH02		Date: 4/9/2024	
								Site Name: Outrider CVB			
								Incident Number: NAPP2404750539			
								Job Number: 03C1558326			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: TH		Method: Trackhoe	
Coordinates: 32.186426, -103.676159								Hole Diameter: 2'		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
Dry	767.2	573.9	N	PH02	0.5	0	CCHE	(0-1') CALICHE, white, well graded, odor present some brown sand			
Dry	358.4	661.7	N	PH02	1	1	SP	(1-4') SAND, brown, poorly graded, odor present, some caliche			
Dry	<168	71.2	N		2	2		(@2') no more caliche			
Dry	<168	38.8	N		3	3		(23') no odor present			
Dry	<168	39.9	N	PH02	4	4	SP-SM	(@4') some silt added			
Total Depth @ 4 feet bgs											

								Sample Name: PH03		Date: 4/9/2024	
								Site Name: Outrider CVB			
								Incident Number: NAPP2404750539			
								Job Number: 03C1558326			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: TH		Method: Trackhoe	
Coordinates: 32.186400, -103.676071								Hole Diameter: 2'		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
Dry	<168	850.2	N	PH03	0.5	0	SP-SC	(0-1') SAND, brown, fine, poorly graded, odor some caliche, with clay			
Dry	<168	916.0	N	PH03	1	1	SP	(1-2') SAND, brown, fine, poorly graded, odor			
Dry	<168	230.8	N		2	2					
Dry	<168	144.8	N		3	3	SP-SM	(3-4') SAND, brown, fine, poorly graded, odor some silt and clay			
Dry	<168	577.3	N	PH03	4	4					
Total Depth @ 4 feet bgs											



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

March 12, 2024

TACOMA MORRISSEY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OUTRIDER CVB

Enclosed are the results of analyses for samples received by the laboratory on 03/07/24 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
TACOMA MORRISSEY
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 03/07/2024
Reported: 03/12/2024
Project Name: OUTRIDER CVB
Project Number: 03C1558330
Project Location: XTO

Sampling Date: 03/06/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 0.5' (H241159-01)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.805	0.500	03/09/2024	ND	2.21	110	2.00	0.741	
Toluene*	16.5	0.500	03/09/2024	ND	2.20	110	2.00	0.696	QM-07
Ethylbenzene*	6.06	0.500	03/09/2024	ND	2.15	107	2.00	0.941	QM-07
Total Xylenes*	76.5	1.50	03/09/2024	ND	6.46	108	6.00	0.459	QM-07
Total BTEx	99.8	3.00	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2910	100	03/11/2024	ND	213	106	200	3.16	
DRO >C10-C28*	28200	100	03/11/2024	ND	226	113	200	0.570	
EXT DRO >C28-C36	5170	100	03/11/2024	ND					

Surrogate: 1-Chlorooctane 221 % 48.2-134

Surrogate: 1-Chlorooctadecane 482 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
TACOMA MORRISSEY
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 03/07/2024
Reported: 03/12/2024
Project Name: OUTRIDER CVB
Project Number: 03C1558330
Project Location: XTO

Sampling Date: 03/06/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 02 0.5' (H241159-02)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.56	0.500	03/09/2024	ND	2.21	110	2.00	0.741	
Toluene*	20.5	0.500	03/09/2024	ND	2.20	110	2.00	0.696	
Ethylbenzene*	6.00	0.500	03/09/2024	ND	2.15	107	2.00	0.941	
Total Xylenes*	74.3	1.50	03/09/2024	ND	6.46	108	6.00	0.459	
Total BTEX	102	3.00	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2990	100	03/11/2024	ND	213	106	200	3.16	
DRO >C10-C28*	10800	100	03/11/2024	ND	226	113	200	0.570	
EXT DRO >C28-C36	1490	100	03/11/2024	ND					

Surrogate: 1-Chlorooctane 257 % 48.2-134

Surrogate: 1-Chlorooctadecane 205 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager




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Notes and Definitions

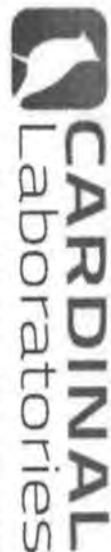
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery 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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 15, 2024

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OUTRIDER CVB

Enclosed are the results of analyses for samples received by the laboratory on 04/09/24 13:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 01 6' (H241820-01)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2024	ND	2.16	108	2.00	1.55	
Toluene*	<0.050	0.050	04/10/2024	ND	2.08	104	2.00	1.72	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.01	101	2.00	1.12	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/10/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 01 9' (H241820-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2024	ND	2.16	108	2.00	1.55	
Toluene*	<0.050	0.050	04/10/2024	ND	2.08	104	2.00	1.72	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.01	101	2.00	1.12	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/10/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	60.0	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager




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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 15, 2024

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OUTRIDER CVB

Enclosed are the results of analyses for samples received by the laboratory on 04/09/24 13:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 01 0.5 (H241821-01)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	04/10/2024	ND	2.16	108	2.00	1.55	
Toluene*	15.3	0.500	04/10/2024	ND	2.08	104	2.00	1.72	QM-07
Ethylbenzene*	9.15	0.500	04/10/2024	ND	2.01	101	2.00	1.12	QM-07
Total Xylenes*	103	1.50	04/10/2024	ND	5.86	97.7	6.00	1.06	QM-07
Total BTEx	128	3.00	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 160 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	04/10/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2930	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	7950	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	1140	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 401 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 01 4 (H241821-02)

BTEx 8021B			mg/kg					Analyzed By: JH		S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	04/10/2024	ND	2.16	108	2.00	1.55			
Toluene*	0.459	0.050	04/10/2024	ND	2.08	104	2.00	1.72			
Ethylbenzene*	0.363	0.050	04/10/2024	ND	2.01	101	2.00	1.12			
Total Xylenes*	5.16	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06			
Total BTEX	5.98	0.300	04/10/2024	ND							

Surrogate: 4-Bromofluorobenzene (PID) 145 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: HM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	432	16.0	04/10/2024	ND	432	108	400	0.00			

TPH 8015M			mg/kg					Analyzed By: MS			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	185	10.0	04/09/2024	ND	225	113	200	2.43			
DRO >C10-C28*	1540	10.0	04/09/2024	ND	244	122	200	6.39			
EXT DRO >C28-C36	255	10.0	04/09/2024	ND							

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 02 0.5 (H241821-03)

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	04/10/2024	ND	2.16	108	2.00	1.55	
Toluene*	0.144	0.050	04/10/2024	ND	2.08	104	2.00	1.72	
Ethylbenzene*	0.182	0.050	04/10/2024	ND	2.01	101	2.00	1.12	
Total Xylenes*	1.17	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06	
Total BTEX	1.49	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	04/10/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	69.2	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	839	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	119	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 02 1 (H241821-04)

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	04/10/2024	ND	2.16	108	2.00	1.55	
Toluene*	0.336	0.050	04/10/2024	ND	2.08	104	2.00	1.72	
Ethylbenzene*	0.426	0.050	04/10/2024	ND	2.01	101	2.00	1.12	
Total Xylenes*	2.88	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06	
Total BTEX	3.64	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 179 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/10/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	290	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	2410	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	359	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 02 4 (H241821-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2024	ND	2.16	108	2.00	1.55	GC-NC
Toluene*	<0.050	0.050	04/10/2024	ND	2.08	104	2.00	1.72	
Ethylbenzene*	<0.050	0.050	04/10/2024	ND	2.01	101	2.00	1.12	
Total Xylenes*	<0.150	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06	
Total BTEX	<0.300	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/10/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 03 0.5 (H241821-06)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.066	0.050	04/10/2024	ND	2.16	108	2.00	1.55	GC-NC1
Toluene*	3.23	0.050	04/10/2024	ND	2.08	104	2.00	1.72	
Ethylbenzene*	1.62	0.050	04/10/2024	ND	2.01	101	2.00	1.12	
Total Xylenes*	25.8	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06	
Total BTEX	30.7	0.300	04/10/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 317 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/10/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	906	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	3230	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	455	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 141 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 03 1 (H241821-07)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.086	0.050	04/10/2024	ND	2.16	108	2.00	1.55	GC-NC1
Toluene*	2.54	0.050	04/10/2024	ND	2.08	104	2.00	1.72	
Ethylbenzene*	1.39	0.050	04/10/2024	ND	2.01	101	2.00	1.12	
Total Xylenes*	15.0	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06	
Total BTEX	19.1	0.300	04/10/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 202 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/10/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	759	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	2120	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	300	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/09/2024
 Reported: 04/15/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 03 4 (H241821-08)

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	04/10/2024	ND	2.16	108	2.00	1.55	
Toluene*	0.944	0.050	04/10/2024	ND	2.08	104	2.00	1.72	
Ethylbenzene*	0.572	0.050	04/10/2024	ND	2.01	101	2.00	1.12	
Total Xylenes*	8.06	0.150	04/10/2024	ND	5.86	97.7	6.00	1.06	
Total BTEX	9.58	0.300	04/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 170 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/10/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	206	10.0	04/09/2024	ND	225	113	200	2.43	
DRO >C10-C28*	1060	10.0	04/09/2024	ND	244	122	200	6.39	
EXT DRO >C28-C36	169	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 16, 2024

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OUTRIDER CVB

Enclosed are the results of analyses for samples received by the laboratory on 04/11/24 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 01 0-4' (H241898-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.03	102	2.00	0.923	
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/12/2024	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	04/12/2024	ND	221	111	200	2.98	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	216	108	200	0.204	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 02 0-4' (H241898-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.03	102	2.00	0.923	
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/12/2024	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	04/12/2024	ND	221	111	200	2.98	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	216	108	200	0.204	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 03 0-4' (H241898-03)

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	04/12/2024	ND	2.03	102	2.00	0.923	
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/12/2024	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	04/12/2024	ND	221	111	200	2.98	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	216	108	200	0.204	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 04 0-4' (H241898-04)

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	04/12/2024	ND	2.03	102	2.00	0.923	
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	10.8	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 01 4' (H241898-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.03	102	2.00	0.923		
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 02 4' (H241898-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.03	102	2.00	0.923	
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	40.0	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 03 4' (H241898-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.03	102	2.00	0.923		
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	65.7	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 04 4' (H241898-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.03	102	2.00	0.923	
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 05 4' (H241898-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.03	102	2.00	0.923		
Toluene*	<0.050	0.050	04/12/2024	ND	2.02	101	2.00	2.18		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	1.96	98.0	2.00	2.33		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	5.97	99.5	6.00	2.39		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	89.6	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 06 4' (H241898-10)

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	04/12/2024	ND	2.09	104	2.00	2.55	
Toluene*	<0.050	0.050	04/12/2024	ND	2.21	110	2.00	0.212	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.27	114	2.00	0.117	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.75	112	6.00	0.603	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 07 4' (H241898-11)

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	04/12/2024	ND	2.09	104	2.00	2.55	
Toluene*	<0.050	0.050	04/12/2024	ND	2.21	110	2.00	0.212	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.27	114	2.00	0.117	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.75	112	6.00	0.603	
Total BTEX	<0.300	0.300	04/12/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	16.1	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 08 4' (H241898-12)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.09	104	2.00	2.55	
Toluene*	<0.050	0.050	04/12/2024	ND	2.21	110	2.00	0.212	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.27	114	2.00	0.117	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.75	112	6.00	0.603	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 09 4' (H241898-13)

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	04/12/2024	ND	2.09	104	2.00	2.55	
Toluene*	<0.050	0.050	04/12/2024	ND	2.21	110	2.00	0.212	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.27	114	2.00	0.117	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.75	112	6.00	0.603	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 10 4' (H241898-14)

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	04/12/2024	ND	2.09	104	2.00	2.55		
Toluene*	<0.050	0.050	04/12/2024	ND	2.21	110	2.00	0.212		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.27	114	2.00	0.117		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.75	112	6.00	0.603		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	<10.0	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 11 4' (H241898-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2024	ND	2.09	104	2.00	2.55	
Toluene*	<0.050	0.050	04/12/2024	ND	2.21	110	2.00	0.212	
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.27	114	2.00	0.117	
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.75	112	6.00	0.603	
Total BTEX	<0.300	0.300	04/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	188	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	22.1	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/11/2024
 Reported: 04/16/2024
 Project Name: OUTRIDER CVB
 Project Number: 03C1558330
 Project Location: XTO 32.18638, -103.67605

Sampling Date: 04/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 12 4' (H241898-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2024	ND	2.09	104	2.00	2.55		
Toluene*	<0.050	0.050	04/12/2024	ND	2.21	110	2.00	0.212		
Ethylbenzene*	<0.050	0.050	04/12/2024	ND	2.27	114	2.00	0.117		
Total Xylenes*	<0.150	0.150	04/12/2024	ND	6.75	112	6.00	0.603		
Total BTEX	<0.300	0.300	04/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/12/2024	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	04/12/2024	ND	213	106	200	6.07	
DRO >C10-C28*	186	10.0	04/12/2024	ND	208	104	200	4.71	
EXT DRO >C28-C36	18.0	10.0	04/12/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Ben Bellill Address: 601 N Marientfeld Street, Suite 400 City: Midland State: TX Zip: 79701 Phone #: 9898540832 Fax #: Project #: 03C1558330 Project Owner: XTO Project Name: Outrigger CUB Project Location: 32,18638,-103,67605 Sampler Name: Freely Hiltner Omar Handy FOR LAB USE ONLY										P.O. #: Company: XTO Energy Attn: Amy Ruth Address: 3104 E. Greene City: Cadisbad State: NM Zip: 88280 Phone #: 432-661-0571 Fax #:									
Lab I.D. 1541898 Sample I.D. Depth (feet) (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME										BILL TO ANALYSIS REQUEST									
Sw 01 0-4' 4/9/24 14:25 Sw 02 0-4' 12:15 Sw 03 0-4' 14:05 Sw 04 0-4' 14:45 ES 01 4' 15:05 ES 02 4' 15:07 ES 03 4' 15:16 ES 04 4' 15:15 ES 05 4' 15:20 ES 06 4' 15:25										TPH 8015 BTEX 8021 Chloride 4500									
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Relinquished By: [Signature] Date: 4/11/24 Time: 1305 Received By: [Signature] Date: Time:										REMARKS: napp 2404750539 Cost center: 1056151001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: #443 Corrosion Factor: 96°C									
Relinquished By: [Signature] Date: Time:										Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: [Signature] (Initials)									
Delivered By: (Circle One) Sampler - UPS - Bus - Other:										Observed Temp. °C -8.44 Corrected Temp. °C Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: [Signature] (Initials)									



CARDINAL
Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Ben Bell Address: 601 N Marlenfeld St., Suite 400 City: Midland State: Zip: Phone #: 989 854 0332 Fax #: Project #: 03C1558330 Project Owner: Project Name: Outrigger CVB Project Location: 32.18638, -103.67605 Sampler Name: Omar (Handy)										BILL TO P.O. #: Company: XTO Energy Attn: Amy Ruth Address: 3104 E. Greer City: Carlsbad State: NM Zip: 88220 Phone #: 432 661 0571 Fax #:										ANALYSIS REQUEST																																							
FOR LAB USE ONLY Lab I.D. <u>4241898</u>										Sample I.D.										Depth (feet)										(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :										MATRIX PRESERV										SAMPLING									
Date: <u>4/11/24</u> Time: <u>1305</u>										Received By: <u>Stockeignely</u>										Date: <u>4/11/24</u> Time: <u>15:30</u>										TIME										TPH BTEX Chloride																			
Relinquished By: <u>Omar</u>										Relinquished By:										Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:										All Results are emailed. Please provide Email address:																													
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QUESTIONS

Action 341604

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 341604
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404750539
Incident Name	NAPP2404750539 OUTFRIDER CVB @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	OUTFRIDER CVB
Date Release Discovered	02/02/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure Pump Crude Oil Released: 18 BBL Recovered: 17 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 341604

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 341604
	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. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Garrett Green Title: SHE Coordinator Email: garrett.green@exxonmobil.com Date: 02/16/2024

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QUESTIONS, Page 3

Action 341604

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	341604
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	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	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 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 associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	128
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	210
GRO+DRO	(EPA SW-846 Method 8015M)	188
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	03/06/2024
On what date will (or did) the final sampling or liner inspection occur	03/26/2024
On what date will (or was) the remediation complete(d)	04/09/2024
What is the estimated surface area (in square feet) that will be reclaimed	2400
What is the estimated volume (in cubic yards) that will be reclaimed	360
What is the estimated surface area (in square feet) that will be remediated	2400
What is the estimated volume (in cubic yards) that will be remediated	360

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.

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QUESTIONS, Page 4
Action 341604

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	341604
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	OWL LANDFILL JAL [fJEG1635837366]
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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Amy Ruth Title: Coordinator SSHE Environmental Email: amy.ruth@exxonmobil.com Date: 05/07/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 341604

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	341604
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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QUESTIONS, Page 6

Action 341604

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	341604
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	337523
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/01/2024
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	3000

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2400
What was the total volume (cubic yards) remediated	360
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No pasture soils were impacted or required remediation.

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

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

I hereby agree and sign off to the above statement	Name: Amy Ruth Title: Coordinator SSHE Environmental Email: amy.ruth@exxonmobil.com Date: 05/07/2024
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QUESTIONS, Page 7

Action 341604

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 341604
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 341604

CONDITIONS

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	5/8/2024