

March 17, 2025

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

Re: Closure Request PLU 043 SWD

Incident Number nAPP2426227740

Eddy 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 PLU 043 SWD (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 produced water onto a Right-of-Way (ROW) and pasture area. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing site assessment and excavation activities that have occurred and requesting no further action for Incident Number nAPP2426227740.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 21, Township 24 South, Range 31 East, in Eddy County, New Mexico (32.197664°, -103.789553°) and is associated with oil and gas exploration and production operations on Bureau of Land Management (BLM) Federal Land.

On September 17, 2024, a leak developed on a riser resulting in the release of approximately 1,029 barrels (bbls) of produced water onto a ROW and adjacent pasture area. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 790 bbls of released produced water were recovered. XTO reported the release to the NMOCD via Notification of Release (NOR) and an Initial C-141 Application (C-141) on September 18, 2024. The release was assigned Incident Number nAPP2426772240.

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 estimated to be greater than 100 feet below ground surface (bgs) based on a soil boring drilled for determination of regional groundwater depth. On December 30, 2020, a soil boring permitted by New Mexico Office of the State Engineer (OSE) well C-4499, located approximately 0.4 north of the Site was drilled utilizing hollow stem auger drilling method. The boring

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was drilled to a total depth of 110 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for the potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater at that location is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. 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 24,551 feet northwest 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).

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of pasture area that was impacted by the releases, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT AND LAND ACCESS ACTIVITIES

On September 18, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. No samples were collected during this Site visit. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

Since the release occurred off pad, XTO submitted a Form 3160-5 (Sundry Form) to the BLM to request access to the pasture soils on November 18, 2024. XTO received an approved sundry, granting access to complete remediation, on November 25, 2024. The approved sundry is presented in Appendix C.

EXCAVATION SOIL SAMPLING ACTIVITIES

Between February 4 and February 14, 2025, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining and field screening activities. Excavation activities were performed using a heavy equipemnt. To direct excavation activities, Ensolum personnel field screened the soil samples for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples

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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 FS50 were collected from the floor of the excavation at depths of 4 feet bgs. Confirmation sidewall soil samples SW01 through SW18 were collected from the sidewalls of the excavation at depths ranging from ground surface to 4 feet bgs. The excavation extent and confirmation soil sample locations are presented on Figure 2.

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 Standards Method SM4500.

The final excavation extent measured approximately 10,000 square feet. A total of approximately 1,480 cubic yards of impacted soil was removed during the excavation activities. The impacted soil will be transported and properly disposed of at the OWL Landfill in Jal, New Mexico. The excavation is in the process of being backfilled with material purchased locally and recontoured to match pre-existing site conditions. The excavation area will be reseeded with a BLM approved seed mix in the next recommended planting season.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the confirmation floor soil samples FS01 through FS50 and sidewall soil samples SW01 through SW18, 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 confirmed 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.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the September 17, 2024, release of produced water. 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. In addition, all waste-containing soil was removed from the top 4 feet of the release area. 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. All disturbed areas will be reseeded with a BLM approved seed mix in the next recommended planting season and a reclamation report will be submitted.

Excavation of waste-containing soil has mitigated potential 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 nAPP2426227740.

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

XTO Energy, Inc Closure Request PLU 043 SWD



Sincerely, **Ensolum, LLC**

Tracy Hillard Project Engineer Tacoma Morrissey Associate Principal

Mouissey

cc: Colton Brown, XTO

Kaylan Dirkx, XTO

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

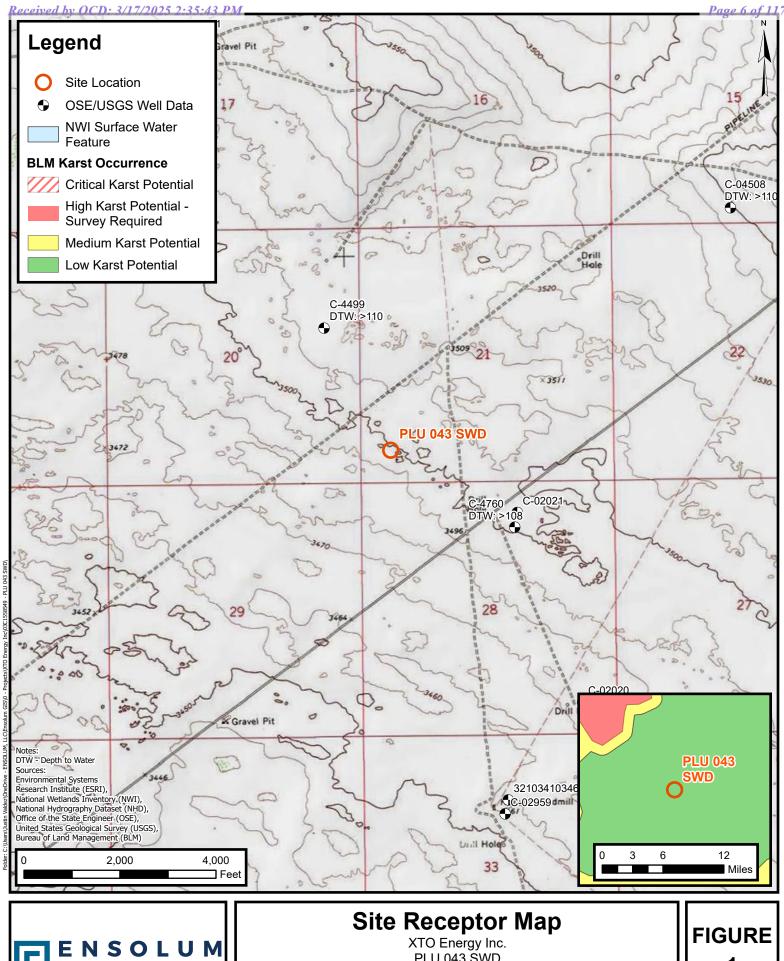
Appendix B Photographic Log

Appendix C Land Access References

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



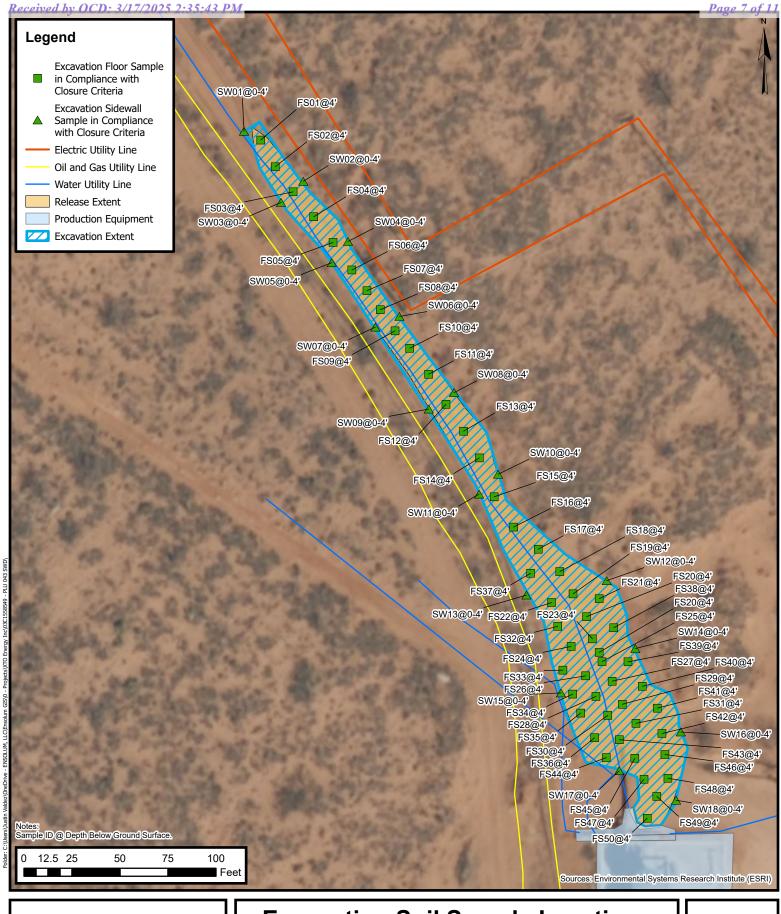
FIGURES





PLU 043 SWD Incident Number: nAPP2426227740 Unit M, Section 21, T 24S, R 31E Eddy County, New Mexico

Released to Imaging: 3/21/2025 10:57:41 AM





Excavation Soil Sample Locations

XTO Energy Inc. PLU 043 SWD Incident Number: nAPP2426227740 Unit M, Section 21, T 24S, R 31E Eddy County, New Mexico FIGURE 2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 043 SWD XTO Energy, Inc Eddy 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 C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Exca	avation Soil Sar	nples				
FS01	02/11/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,570
FS02	02/11/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,760
FS03	02/11/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,620
FS04	02/11/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,030
FS05	02/11/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,190
FS06	02/11/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,320
FS07	02/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,060
FS08	02/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,320
FS09	02/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,060
FS10	02/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,280
FS11	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,000
FS12	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,600
FS13	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,260
FS14	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,930
FS15	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
FS16	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,200
FS17	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,520
FS18	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,960
FS19	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,800
FS20	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,460
FS21	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,930
FS22	02/12/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,930
FS23	02/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,480
FS24	02/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,330
FS25	02/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,330
FS26	02/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,000
FS27	02/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,080
FS28	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
FS29	02/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,460
FS30	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,900
FS31	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 043 SWD XTO Energy, Inc Eddy 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 C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS32	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,700
FS33	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,400
FS34	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,400
FS35	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,100
FS36	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,760
FS37	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,040
FS38	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,800
FS39	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,260
FS40	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,280
FS41	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,930
FS42	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,500
FS43	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,800
FS44	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,200
FS45	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,800
FS46	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,460
FS47	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
FS48	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
FS49	02/14/2025	4	<0.050	<0.300	<10.0	58.1	<10.0	58.1	58.1	4,000
FS50	02/14/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,280
SW01	02/11/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW02	02/11/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW03	02/11/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW04	02/11/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW05	02/11/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW06	02/10/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW07	02/10/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW08	02/12/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW09	02/12/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW10	02/12/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW11	02/12/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW12	02/12/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW13	02/12/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 043 SWD XTO Energy, Inc Eddy 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	
SW14	02/13/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW15	02/13/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW16	02/13/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW17	02/13/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW18	02/13/2025	0-4	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

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

Ensolum 3 of 3



APPENDIX A

Referenced Well Records



	OSE POD NO	-	0.)		WELL TAG ID NO.			OSE FILE NO(S	S).			
NO	POD1 (M	W-1)			n/a			C-4499				
Ψ	WELL OWNE	-						PHONE (OPTIO	ONAL)			
GENERAL AND WELL LOCATION	XTO Energ	gy (Kyle	Littrell)									
[]	WELL OWNE							CITY		STATE		ZIP
WE	6401 Holid	lay Hill I	Or.					Midland		TX	79707	
S	WELL		D	EGREES	MINUTES	SECOND	S					
ΥŢ	LOCATIO	N L	ATITUDE	32°	12'	15.89	"N	ACCURACY	REQUIRED: ONE TENT	TH OF A	SECOND	
ER	(FROM GP	s) L	ONGITUDE	-103°	47'	36.29	" W	* DATUM REC	QUIRED: WGS 84			
EN	DESCRIPTION		ING WELL LOCATION T	O STREET ADD	RESS AND COMMON	LANDMAR	KS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	ILABLE	
1.0	SE NE Sec	. 20 T24	S R31E									
	LICENSE NO	٠.	NAME OF LICENSEI	DRILLER					NAME OF WELL DRI	LLING C	OMPANY	
	124	19			Jackie D. Atkins				Atkins Eng	ineering	Associates, l	nc.
	DRILLING S		DRILLING ENDED		MPLETED WELL (FI	,		LE DEPTH (FT)	DEPTH WATER FIRS			
	12/30/	2020	12/30/2020	tempo	rary well materia	d		110		n/a		
7	COMPLETE	WELL IS	: ARTESIAN	DRY HO	LE SHALLO	W (UNCONI	FINED)		STATIC WATER LEV	EL IN CC n/a		LL (FT)
2. DRILLING & CASING INFORMATION	DRILLING FI	LUID:	 AIR	MUD	ADDITIV	ES – SPECIF	FY:					
ORM	DRILLING M	ETHOD:	ROTARY	П намме	R CABLE T	OOL [<u>/</u> отне	R - SPECIFY:	Hollo	w Stem	Auger	
Ž	DEPTH (feet bgl) BORE HOLE CASING MATERIAL AND/OR GRADE						CA	ASING	CASING		NG WALL	SLOT
2	FROM	то	DIAM	(include	each casing string,	and		NECTION TYPE	INSIDE DIAM.		CKNESS inches)	SIZE (inches)
CAS		110	(inches)	note	sections of screen)			ling diameter)	(inches)			` ′
જ	0	110	±8.5		Boring- HSA							
Ĭ				-								
E				<u> </u>		-+						
D.												
•												
						<u> </u>	_					
												
	DEPTH	(feet bgl)	DOMESTICAL		IST ANNULAR SE	EAL MAT	ERIAL A	AND	AMOUNT		METHO	
IAL	FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE-	RANGE E	BY INTE	RVAL	(cubic feet)		PLACE	MENT
ANNULAR MATERIAL												
MA												
AR												
ACT.								·				
ઌ૽				-								
											 	
	OSE INTER	NAL US	E		T _		-1		0 WELL RECORD			0/17)
├	ENO.	<u>_</u>	1499	1/ 2 !	POD NO		/	TRN		5 3	32	
LOC	CATION		ى ر	15.51	E.20.2	ノイク		WELL TAG I	D NO.	_	PAGE	1 OF 2

:	DEPTH (1	eet bgl)	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATER	TES OR FRAC	TURE ZONES	1	WATER BEARING?	ESTIMATED YIELD FOR WATER- BEARING
	T ROM	10	, ,	(attach sup	plemental sheets to	fully describe a	ull units)		YES/NO)	ZONES (gpm)
	0	6	6	SAND, well gr	raded, fine-to-large gr	ain particles red	l-brown, dry		¥ √N	
	6	8	2	SAND, poorly graded,	, fine grained little cla	y mod. plasitcit	y, red-brown, n	oist	Y 🗸 N	
	8	11	3	CALICHE, mod. cons	solidated, some sand,	medium /fine g	rain, white-tan,	dry	Y ✓N	
	11	46	35	CALICHE, mod. conse	olidated, some sand, r	nedium to fine g	grain, white-tan,	dry.	y √n	
	46	74	28	SAND, well-graded,	medium grain,caliche	gravel (1-4mm), light brown, o	lry.	Y ✓N	
1	74	110	36	SAND, well-grade	d, fine/large grain, fev	clay, cohesive	, red-brown, dr	у	Y ✓N	
4. HYDROGEOLOGIC LOG OF WELL									Y N	
OF									Y N	
200									Y N	
3IC									Y N	
707					**				Y N	
GEO							-		Y N	
RO									Y N	
HIYE									Y N	
4									Y N	
					-				Y N	
									Y N	
									Y N	
						·			Y N	
									Y N	
									Y N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:				ESTIMATED	
	PUM	? [A	IR LIFT	BAILER 01	THER – SPECIFY:			WELL Y	TELD (gpm):	0.00
NO	WELL TES			ACH A COPY OF DAT ME, AND A TABLE SI						
TEST; RIG SUPERVISION	MISCELLA	NEOUS INF	fe	emporary well materi et below ground surfa ogs adapted from WS	ace, then hydrated b					
rest	PRINT NAN	(E(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PRO	VIDED ONSITE SU	PERVISION O	F WELL CONS	TRUCTIO	ON OTHER T	HAN LICENSEE:
5.1	Shane Eldri			.,						
SIGNATURE	CORRECT	RECORD O	F THE ABOVE I	FIES THAT, TO THE E DESCRIBED HOLE AN 30 DAYS AFTER COM	ND THAT HE OR SH	E WILL FILE				
SIGNA	Jack A	tkins		Ja	ckie D. Atkins				01/15/2021	
•		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME				DATE	
FO	R OSE INTER						WR-20 WEL	L RECOR	D & LOG (Ve	ersion 06/30/2017)
		<u> </u>	1499		POD NO.	1	TRN NO.	48	4537	入 一

 WELL TAG ID NO.
 PAGE 2

 USE DI) JRN 27 2021 PM3:34

PAGE 2 OF 2

LOCATION

2021-1-15_C-4499_POD1_OSE_Well Record and Log_plu129-forsign

Final Audit Report 2021-01-15

Created:

2021-01-15

By:

Lucas Middleton (lucas@atkinseng.com)

Status:

Signed

Transaction ID:

CBJCHBCAABAAgs296c366oClffrLCiy9WDKJlrUnq-9u

"2021-1-15_C-4499_POD1_OSE_Well Record and Log_plu129-f orsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-01-15 8:45:00 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-01-15 8:45:35 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-01-15 9:05:13 PM GMT- IP address: 74.50.153.115
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2021-01-15 9:13:18 PM GMT Time Source: server- IP address: 74.50.153.115
- Agreement completed. 2021-01-15 - 9:13:18 PM GMT

05E DII JAN 27 2021 PM3:34





APPENDIX B

Photographic Log



Photographic Log

XTO Energy Inc. PLU 043 SWD nAPP2426227740





Photograph: 1 Date: 9/18/2024

Description: Soil staining in release footprint

View: Northeast

Photograph: 2 Date: 9/18/2024

Description: Soil staining in release footprint

View: Northwest





Photograph: 3 Date: 2/4/2025

Description: Excavation activities

View: Northwest

Photograph: 4 Date: 2/7/2025

Description: Excavation activities

View: North

ENSOLUM

Photographic Log

XTO Energy Inc. PLU 043 SWD nAPP2426227740





Photograph: 5 Date: 2/10/2025

Description: Excavation activities

View: North

Photograph: 6 Date: 2/13/2025

Description: Excavation activities

View: Northwest





Photograph: 7 Date: 2/14/2025

Description: Final excavation extent

View: North

Photograph: 8 Date: 2/14/2025

Description: Final excavation extent

View: Sotuheast



Appendix C

Land Access References

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Sundry Print Report

Well Name: POKER LAKE SWD Well Location: T24S / R31E / SEC 21 / County or Parish/State: EDDY /

SWSW / 32.1973501 / -103.7890851 N

Well Number: 43 Type of Well: INJECTION - ENHANCED Allottee or Tribe Name:

RECOVERY

Lease Number: NMNM0506A Unit or CA Name: Unit or CA Number:

US Well Number: 3001521700 **Operator:** XTO PERMIAN OPERATING

LLC

Notice of Intent

Sundry ID: 2823060

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 11/18/2024 Time Sundry Submitted: 01:49

Date proposed operation will begin: 11/25/2024

Procedure Description: XTO Permian Operating LLC., (XTO), respectfully requests access to an off-pad area located northwest of Poker Lake Unit 043 well pad location in order to complete remediation activities related to a release (Incident Number nAPP2426227740) which occurred on September 17, 2024. The release occurred on the PLU 043 SWD facility pad at GPS 32.197528, -103.789510 and flowed northwest along a 2-track road and into the pasture area. Excavation of impacted soil is needed utilizing heavy equipment (backhoe, trackhoe, loader, and hydrovacuum truck). After successful completion of remediation efforts, the disturbed areas will be backfilled with top soil purchased locally and re-contoured to match pre-existing site conditions and re-seeded with the recommended BLM seed mixture. Please see the attached site map.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

XTO_PLU_043_SWD_Site_Map_20241118134734.pdf

Page 1 of 2

eceived by OCD: 3/17/2025 2:35:43 PM
Well Name: POKER LAKE SWD

Well Location: T24S / R31E / SEC 21 /

SWSW / 32.1973501 / -103.7890851

County or Parish/State: Page 21 9f

Type of Well: INJECTION - ENHANCED Allottee or Tribe Name:

RECOVERY

Lease Number: NMNM0506A

Well Number: 43

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001521700

Operator: XTO PERMIAN OPERATING

LLC

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHERRY MORROW Signed on: NOV 18, 2024 01:46 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND State: TX

Phone: (432) 218-3671

Email address: SHERRY.MORROW@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CRISHA A MORGAN

BLM POC Phone: 5752345987

Disposition: Accepted

Signature: CRISHA A. MORGAN

BLM POC Title: Environmental Protection Specialist

BLM POC Email Address: camorgan@blm.gov

Disposition Date: 12/06/2024

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

BURI	EAU OF LAND MANAGEMENT		5. Lease Serial No.				
Do not use this t	IOTICES AND REPORTS ON Viorm for proposals to drill or to Use Form 3160-3 (APD) for su	o re-enter an	6. If Indian, Allottee or Tribe	Name			
SUBMIT IN T	TRIPLICATE - Other instructions on pag	je 2	7. If Unit of CA/Agreement,	Name and/or No.			
1. Type of Well Oil Well Gas W	/ell Other		8. Well Name and No.				
2. Name of Operator			9. API Well No.				
3a. Address	3b. Phone No.	(include area code)	10. Field and Pool or Explora	atory Area			
4. Location of Well (Footage, Sec., T.,R	.,M., or Survey Description)		11. Country or Parish, State				
12. CHE	CK THE APPROPRIATE BOX(ES) TO IN	DICATE NATURE	OF NOTICE, REPORT OR OT	HER DATA			
TYPE OF SUBMISSION		TYP	E OF ACTION				
Notice of Intent	Acidize Deep Alter Casing Hyde	pen raulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity			
Subsequent Report		Construction	Recomplete	Other			
Final Abandonment Notice		and Abandon Back	Temporarily Abandon Water Disposal				
is ready for final inspection.)							
14. I hereby certify that the foregoing is	true and correct. Name (Printed/Typed)						
		Title					
Signature		Date					
	THE SPACE FOR FED	ERAL OR STA	TE OFICE USE				
Approved by		Title		Date			
	ned. Approval of this notice does not warrar equitable title to those rights in the subject leduct operations thereon.	nt or					
Title 18 U.S.C. Section 1001 and Title 43	3 U.S.C. Section 1212, make it a crime for a	ny nerson knowingly	and willfully to make to any d	enartment or agency of the United States			

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United State any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

(Form 3160-5, page 2)

Additional Information

Location of Well

 $0. \ SHL: \ SWSW \ / \ 660 \ FSL \ / \ 660 \ FWL \ / \ TWSP: \ 24S \ / \ RANGE: \ 31E \ / \ SECTION: \ 21 \ / \ LAT: \ 32.1973501 \ / \ LONG: \ -103.7890851 \ (\ TVD: \ 0 \ feet, \ MD: \ 0 \ feet)$ $BHL: \ SWSW \ / \ 660 \ FSL \ / \ 660 \ FWL \ / \ TWSP: \ 24S \ / \ SECTION: \ / \ LAT: \ 0.0 \ / \ LONG: \ 0.0 \ (\ TVD: \ 0 \ feet, \ MD: \ 0 \ feet)$





APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



February 17, 2025

TRACY HILLARD
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: POKER LAKE UNIT 043 SWD

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

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil Project Name: POKER LAKE UNIT 043 SWD Sampling Condition:

Cool & Intact Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 11 4' (H250880-01)

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	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 12 4' (H250880-02)

TEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

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Celey D. Kreene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 13 4' (H250880-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	18						

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Celey & Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/13/2025 Reported: 02/17/2025

POKER LAKE UNIT 043 SWD

Project Name: Project Number: 03C1558549

Project Location: XTO 32.19719-103.78881 Sampling Date: 02/12/2025

Sampling Type: Soil

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

Sample ID: FS 14 4' (H250880-04)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	101 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558549 Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 15 4' (H250880-05)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 16 4' (H250880-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/13/2025 Reported: 02/17/2025

POKER LAKE UNIT 043 SWD

Project Name: POKER LAKE
Project Number: 03C1558549

Project Location: XTO 32.19719-103.78881

Sampling Date: 02/12/2025

Sampling Type: Soil

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

Sample ID: FS 17 4' (H250880-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719-103.78881

mg/kg

Sample ID: FS 18 4' (H250880-08)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558549 Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 19 4' (H250880-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719-103.78881

Sample ID: SW 08 0-4' (H250880-10)

RTFY 8021R

EX 8021B	mg/	тд/кд		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
nzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
uene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
ylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
tal Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
al BTEX	<0.300	0.300	02/14/2025	ND					
rogate: 4-Bromofluorobenzene (P.	ID 100 S	% 71.5-13	34						
loride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
loride	16.0	16.0	02/14/2025	ND	480	120	400	0.00	
H 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
O C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
O >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
T DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
rogate: 1-Chlorooctane	91.4	% 48.2-13	34						
rrogate: 1-Chlorooctadecane	89.4	% 49.1-14	18						

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Celey D. Kreine



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil
Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Coo

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719-103.78881

Sample ID: SW 10 0-4' (H250880-11)

RTFY 8021R

e QC RPD Qualifier 0.878 0.835 0.486 0.347
0.835 0.486
0.486
0.347
e QC RPD Qualifier
0.00
e QC RPD Qualifier
4.74
4.05
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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: SW 09 0-4' (H250880-12)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	18						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719-103.78881

Sample ID: SW 11 0-4' (H250880-13)

BTEX 8021B

DILX GOZID	mg/ kg		Andryzo	Analyzed by: 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558549 Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: SW 12 0-4' (H250880-14)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: SW 13 0-4' (H250880-15)

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	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 20 4' (H250880-16)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 21 4' (H250880-17)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 22 4' (H250880-18)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4930	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719-103.78881

Sample ID: SW 01 0-4' (H250880-19)

BTEX 8021B

DILX GOZID	mg/kg And		Alldiyzo	19200 59. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2025	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	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719-103.78881

Sample ID: SW 02 0-4' (H250880-20)

RTFY 8021R

B1EX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.91	95.3	2.00	0.878	
Toluene*	<0.050	0.050	02/14/2025	ND	2.04	102	2.00	0.835	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.02	101	2.00	0.486	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.99	99.9	6.00	0.347	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2025	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	02/14/2025	ND	193	96.6	200	4.74	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	182	90.9	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719-103.78881

Sample ID: SW 03 0-4' (H250880-21)

RTFY 8021R

BIEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2025	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	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: SW 04 0-4' (H250880-22)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719-103.78881

Sample ID: SW 05 0-4' (H250880-23)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 01 4' (H250880-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil
Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Coo

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 02 4' (H250880-25)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil Project Name: POKER LAKE UNIT 043 SWD

Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558549 Sample Received By:

Project Location: XTO 32.19719-103.78881

Sample ID: FS 03 4' (H250880-26)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Tamara Oldaker

Sample Received By:

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil
Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact

Project Number: 03C1558549

Project Location: XTO 32.19719-103.78881

Sample ID: FS 04 4' (H250880-27)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2030	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 05 4' (H250880-28)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2190	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 06 4' (H250880-29)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/13/2025 Sampling Date: 02/10/2025

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558549 Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: SW 06 0-4' (H250880-30)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/13/2025 Sampling Date: 02/10/2025

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558549 Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: SW 07 0-4' (H250880-31)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/13/2025 Sampling Date: 02/10/2025

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719-103.78881

Sample ID: FS 07 4' (H250880-32)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/13/2025 Sampling Date: 02/10/2025

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 08 4' (H250880-33)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	< 0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Tamara Oldaker

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 02/13/2025
 Sampling Date:
 02/10/2025

 Reported:
 02/17/2025
 Sampling Type:
 Soil

Reported: 02/17/2025 Sampling Type: Soil
Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact

Project Number: 03C1558549 Sample Received By:

Project Location: XTO 32.19719-103.78881

Sample ID: FS 09 4' (H250880-34)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/13/2025 Sampling Date: 02/10/2025

Reported: 02/17/2025 Sampling Type: Soil

Project Name: POKER LAKE UNIT 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719-103.78881

Sample ID: FS 10 4' (H250880-35)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2025	ND	1.86	93.1	2.00	0.779	
Toluene*	<0.050	0.050	02/14/2025	ND	1.93	96.4	2.00	1.31	
Ethylbenzene*	< 0.050	0.050	02/14/2025	ND	1.94	96.9	2.00	1.58	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	5.94	99.0	6.00	2.00	
Total BTEX	<0.300	0.300	02/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	02/14/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2025	ND	197	98.3	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	191	95.6	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	18						

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326	(575) 393-2326 FAX (575) 393-2476		
Company Name: Ensolum, LLC		BILL TO	ANALYSIS REQUEST
Project Manager: Truey Hiller		P.O. #:	
Address: 3122 National Parks Hwy		Company: XTO Energy Inc	
City: Carlsbad	State: NM Zip: 88220	Attn: Colton Brown	
Phone #: 575 937 3906	Fax #:	Address: 3104 E Green St	
030 558 5	Project Owner: XTO	City: Carlsbad	
Project Name: PCU 043 SWD	M	State: NM Zip: 88220	
n: 32.19719	-103.78861	Phone #:	
oshua Boxley		Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	NG
Lab I.D. Sample I.D.	(feet) (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	Chlorides TPH BTEX
[-51]	1 0 1	X 2,12.25 1	1015 XXX
283 2		7	1075
			035
			1040
\			020
7			075
7 6517			40
8153 8			10%
	7		705
90ms 01	0-4 611	2.12.25	1000
PLEASE NOTE: Liability and Damages, Cardinal's liability a analyses. All claims including those for negligence and any service. In no event shall Cardinal be liable for incidental or	medy for any claim or shall be deemed s, including without	ract or fort, shall be limited to the amount paid to and received by Cardinal within 30 days after or its, loss of use, or loss of profits incurred by clie ins, loss of use, or loss of profits incurred by clie in the shows stated reassers in horsel upon any of the above stated reassers in the second upon any of the above stated reassers in the second upon any of the above stated reassers.	y the clean for the opplicable on the applicable of the applicable of the applicable of the applicable on the applicable on the applicable of the applicable
Relinquished By:	Time: 4.25	ceived By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: All Results are emailed. Please provide Email address: (a V C) @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com
Relinquished By:	Date: Received By:		REMARKS: APPZ426277740 Cost Center: 1/2 - 201001
Delivered Rv. (Circle One)	Observed Temp. °C // Sample Condition	CHECKED BY:	Bacteria (only) S
	26	(Initials)	Thermometer ID: #14

Page 38 of 41

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 +4	FAX (5/5) 393-24/6	0		ı	ı	ı	L	1	ı	L	L	ı			١	١	١			Ė	5	5	1	اا	ا	į	1						_
Company Name: Ensolum, LLC	Ensolum, LLC													BILL TO		1	1	-	1	ANALYSIS	12	10	- ₽		- 15	S	KEQUESI	1	7		1		1	_
Project Manager:	trong Hillard								-	P.O.	*	1									-													
Address: 3122 N	Address: 3122 National Parks Hwy								-	ò	gan	ny	×	Company: XTO Energy Inc	nc										_		_							
City: Carlsbad		State: NM	Zip: 88220	882	20				_	#	.:	o t	on	Attn: Colton Brown																				
Phone #: 575	937 3906	Fax #:							_	d	re	SS	3	Address: 3104 E Green St	St						,													
Project #: 03C 558 549	228 2Hd	Project Owner: XTO	OLX						_	3	City: Carlsbad	ar	ds	ad									_											
Project Name:	PLU 043 SWD	J		,					10	Sta	State: NM	Z	_	Zip: 88220									_				_							
\simeq	32.19719	-103.78861							-	ਨੁੱ	Phone #:	#																						
Sampler Name: Joshua Boxley	,								<u> </u>	Fax #:	#		ı	1			N.		_	_														
FOR LAB USE ONLY				\vdash	- 1	3	MATRIX	×	- 1		PRESERV	3SE	R	SAMPLING	LING																			- Mine
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chlorides	TDU	TPH	втех					1		1		1						
11	5W/0	0-4				\						X		2,12.25	290	X	X		-X	+			+		+		+		+				+	
12	5WOD	۸.	_					-				-		_	2007	_			_	+			+		+		+		+				+	
13	SW 11							_							70%	_				+			+		+		+		+		+		+	
14	2 m2	<										_			0151	_	\vdash						+		+		+		+		+		+	
2	21872	0-4										_			2/2					_			_		+		+		+		+		+	
16	8578	7													1315	_				+			_		+		+		+				+	
17	F671	7												-	025	-	+			+			_		+		+		+		+		+	
18	2253	7						-			100	-	_	212.25	5115	-	+			+			_		+		+		+				+	
19	SWOI	10-14		_		7		-				1		211.15	1000	-	1		4	+			_		+		+		+		_		-	
70	5W02	0-18	0	二	┡		7	L				1	1	2.11.24	1005	1		1	1	\vdash	L		L		1		-		-		\vdash		-	L
PLEASE NOTE: Liability an analyses. All claims includir service. In no event shall Ca	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount pag by the circumstance analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion for the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interest produced upon our of the above stated reasons or otherwise.	ient's exclusive remedy for an cause whatsoever shall be dequental damages, including	y claim a eemed v	arising waived limitati	wheth unless on, bu	er ba s mac siness	e in w	riting	and and ns, lo	r tort	shall wed b	y Car or los	rdinal dinal ss of	d to the amount paid I within 30 days after profits incurred by cli	by the client for the completion of the lent, its subsidiarie sons or otherwise	applic	able								- " -									
affiliates or successors arising Relinquished By:	rig out of or related to the performance. V:	Time; 425	Rec	Received By	ed S	W X			The same	1	7		M		Verbal Result: ☐ Yes ☐ No ☐ Add'i Phone #: All Results are emailed. Please provide Email address: Thillard @ensolum.com, TMorrissey@ensolum.	are	emai @er	Yes iled. I	☐ Yes ☐ No Add'I Phone #: smailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com	Ad ovide Morris	Add'I Phone #: ide Email addre	ail a @e	ne #	ess turr	60	э, -	J.	oma	IOSE	@	sns	olun	n.cc	ğ
Relinquished By:	7:	Date:	Rec	Received By:	<u>ed</u>	Ÿ:						1			REMARKS: APPZ476277740 Incident: MAPPZ476277740 Cost Center: 1/2 - 2 2 2 2 2	7	20	7	6227	74	0													r
Politored By: (C		Tamp °C	5		(O	Sample Condition	e C	Š	랿	9		오	贞	CHECKED BY:	Turnaround	<u> </u>	<u>е</u>	00	Ob 1100			Ba	cter	ia (only	S	dme	le C	Bacteria (only) Sample Condition	ditic	ĭ	,		
Delivered By: (Circle One)		Observed lemp. C	20	,	0 4	Cool Intact	PS TO	Titac S	eg T	/ 5		0 9	1 = 1		HGW HUSh Thermometer ID: #148	3	#	\$	Rush	V			Yes	Cool Intact	ol Intact]Yes ☐ Yes		960	erv	Observed Temp. °C	em		0		

Page 39 of 41

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUE

(575) 393-2326	(575) 393-2326 FAX (575) 393-2476				
Company Name: Ensolum, LLC		BILL TO		ANALYSIS	YSIS REQUEST
Project Manager: True Hiller		P.O. #:			
Address: 3122 National Parks Hwy		Company: XTO Energy Inc	Inc	_	
City: Carlsbad	State: NM Zip: 88220	Attn: Colton Brown		_	
Phone #: 575 937 3906	Fax #:	Address: 3104 E Green St	St		
15565	Project Owner: XTO	City: Carlsbad		_	
4.	SMS	State: NM Zip: 88220	0	_	
on: 32	,-103.78861	Phone #:			
Sampler Name: Joshua Boxley		Fax #:			
FOR LAB USE ONLY		MATRIX PRESERV. SAMI	SAMPLING		
Lab I.D. Sample I.D.	G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER	SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	Chlorides TPH	BTEX	
5, 00mg 100 000 1	_ ;			X	
HAMS CO	6-4		_		
50M7 CE	0,2		0%0]		
123	7		0450		
	7		BUSK		
			0975		
27 Croy			0470		
2			0915		J
π	-0	M N 211.25	0910 V	8	TO N
		to the small be limited to the amount ha	aid by the client for the		
PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for negligence and an service. In no event shall Cardinal be liable for incidental o	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or lort, shall be limited to the amount year by the client's exclusive remedy for any claim arising whether based in contract or lort, shall be deared within 30 days after complete analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after complete splicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after complete splicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed within 30 days after complete splicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after complete splicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after complete splicable analyses. All claims including without limitation, business interruptions, loss of use, or loss of profits increased by client, its subsidiaries, and the profits and the profits of the profits and the profit	based in contract or fort, shall be limited to the amount, we based in contract or fort, shall be limited by safe in writing and received by Cardinal within 30 days after some profits incurred by sask interruptions, loss of use, or loss of profits incurred by the shall be above stated in	ter completion of the applicable client, its subsidiaries, reasons or otherwise.		
affiliates or successors arising out of or related to the perform Relinquished By:	Date: 27 Received By:		: I	es □ No □ Add'l Se □ No □ Add'l	Add'l Phone #: ide Email address:
A. S.	Time: 425	mora bildable	Thillard @enso	lum.com, TMorrisse	@ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com
Relinquished By:	Date: Received By		REMARKS: AAPZY Incident: WARPZY Cost Center: (7)	02426227740	
Delivered By: (Circle One)	Observed Temp. °C 0// Samp	le Condition Ch	Turnaround Time:	ne: Standard H	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0,4	- 6	Thermometer ID: #/4	000	☐ No ☐ No Corrected Temp. °C

Page 40 of 41

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(0,0) 000 -000	(0.0) 000	The same of the sa	
company Name: Ensolum, LLC		BILL TO	ANALYSIS REQUEST
roject Manager: Trusy Hiller		P.O. #:	
Address: 3122 National Parks Hwy		Company: XTO Energy Inc	
City: Carlsbad	State: NM Zip: 88220	Attn: Colton Brown	
phone #: 575 937 3906	Fax #:	Address: 3104 E Green St	
11	Project Owner: XTO	City: Carlsbad	
4.	SMS	State: NM Zip: 88220	
ä	32.19719,-103.78881	Phone #:	
		Fax #:	
FOR LAB USE ONLY	D. MATRIX	PRESERV. SAMPLING	97
Lab I.D. Sample I.D.	Depth (feet)	OTHER: ACID/BASE: ICE / COOL OTHER:	Chlorides TPH BTEX
90MS 02	=	X 21028 14	I HOS
	0 4	1 1410	lo
	2	71	5(4)
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35 6510	X C _	D 210.25 14	430 44 1
LEASE NOTE: Liability and Damages. Cardinal's liability a nalyses. All claims including those for negligence and any proce. In no event shall Cardinal be liable for incidental or	nt's exclusive remedy for any claim cause whatsoever shall be deemed quental damages, including withou	t or tort, shall be limited to the amount paid by the dreceived by Cardinal within 30 days after complexes of use, or loss of profits incurred by client, it is become careful to the above stated reasons.	by the client for the completion of the applicable completion of the applicable completion or the applicable completion or otherwise.
Hilliales or successors arising out of or related to the performance Rellinquished By:	Date: 13-28 Re	ceived By:	Verbal Result: ☐ Yes ☐ No │Add'l Phone #: All Results are emailed. Please provide Email address: Tหูฟูลัการ์ @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com
Relinquished By:	Date: Received By: Time:	Inc Co	10691001
Delivered By: (Circle One)	Observed Temp. °C O, Sample Condition Cool Intact Corrected Temp. °C O Yes Tyes	CHECKED BY: (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID: #/4 Standard



February 19, 2025

TRACY HILLARD
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: PLU 043 SWD

Enclosed are the results of analyses for samples received by the laboratory on 02/17/25 12:30.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Reported: 02/19/2025

02/19/2025 PLU 043 SWD

Project Name: PLU 043 SWD
Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sampling Date: 02/13/2025

Sampling Type: Soil

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

Sample ID: SW 14 0-4 (H250932-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2025	ND	2.05	102	2.00	4.78	
Toluene*	<0.050	0.050	02/18/2025	ND	2.13	107	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.10	105	2.00	4.72	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	6.17	103	6.00	4.59	
Total BTEX	<0.300	0.300	02/18/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	182	90.9	200	4.60	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	179	89.4	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date: 02/13/2025

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719, -103.78881

mg/kg

Sample ID: SW 15 0-4 (H250932-02)

BTEX 8021B

	9/	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2025	ND	2.05	102	2.00	4.78	
Toluene*	<0.050	0.050	02/18/2025	ND	2.13	107	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.10	105	2.00	4.72	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	6.17	103	6.00	4.59	
Total BTEX	<0.300	0.300	02/18/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	182	90.9	200	4.60	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	179	89.4	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date: 02/13/2025

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sample ID: SW 16 0-4 (H250932-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2025	ND	2.05	102	2.00	4.78	
Toluene*	<0.050	0.050	02/18/2025	ND	2.13	107	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.10	105	2.00	4.72	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	6.17	103	6.00	4.59	
Total BTEX	<0.300	0.300	02/18/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date: 02/13/2025

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719, -103.78881

mg/kg

Sample ID: SW 17 0-4 (H250932-04)

BTEX 8021B

	9/	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2025	ND	2.05	102	2.00	4.78	
Toluene*	<0.050	0.050	02/18/2025	ND	2.13	107	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.10	105	2.00	4.72	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	6.17	103	6.00	4.59	
Total BTEX	<0.300	0.300	02/18/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date: 02/13/2025

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719, -103.78881

mg/kg

Sample ID: SW 18 0-4 (H250932-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2025	ND	2.05	102	2.00	4.78	
Toluene*	<0.050	0.050	02/18/2025	ND	2.13	107	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.10	105	2.00	4.72	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	6.17	103	6.00	4.59	
Total BTEX	<0.300	0.300	02/18/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date: 02/13/2025

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719, -103.78881

ma/ka

Sample ID: FS 23 4 (H250932-06)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	1.91	95.4	2.00	3.79	
Toluene*	<0.050	0.050	02/17/2025	ND	2.00	100	2.00	5.08	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.02	101	2.00	5.30	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	6.17	103	6.00	4.79	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date: 02/13/2025

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 24 4 (H250932-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	1.91	95.4	2.00	3.79	
Toluene*	<0.050	0.050	02/17/2025	ND	2.00	100	2.00	5.08	
Ethylbenzene*	< 0.050	0.050	02/17/2025	ND	2.02	101	2.00	5.30	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	6.17	103	6.00	4.79	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date: 02/13/2025

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 25 4 (H250932-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	1.91	95.4	2.00	3.79	
Toluene*	<0.050	0.050	02/17/2025	ND	2.00	100	2.00	5.08	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.02	101	2.00	5.30	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	6.17	103	6.00	4.79	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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02/13/2025

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date:

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 26 4 (H250932-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	1.91	95.4	2.00	3.79	
Toluene*	<0.050	0.050	02/17/2025	ND	2.00	100	2.00	5.08	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.02	101	2.00	5.30	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	6.17	103	6.00	4.79	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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02/13/2025

Soil

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date:
Reported: 02/19/2025 Sampling Type:

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 27 4 (H250932-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	1.91	95.4	2.00	3.79	
Toluene*	<0.050	0.050	02/17/2025	ND	2.00	100	2.00	5.08	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.02	101	2.00	5.30	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	6.17	103	6.00	4.79	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

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02/13/2025

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/17/2025 Sampling Date:

Reported: 02/19/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 29 4 (H250932-11)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	1.91	95.4	2.00	3.79	
Toluene*	<0.050	0.050	02/17/2025	ND	2.00	100	2.00	5.08	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.02	101	2.00	5.30	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	6.17	103	6.00	4.79	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	02/18/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	193	96.3	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	193	96.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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FORM-006 R 3.2 10/07/21

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CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 8 2

(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC Project Manager: Time	- 2 = - 0	wy State: NM Zip: 1 Fax #: Project Owner: XTO SIM 9, − 0 ₹, 7886	Zip: 88220	P.O. #: Company: XTO Energy Inc Attn: Colton Brown Address: 3104 E Green St City: Carlsbad State: NM Zip: 88220 Phone #:	/ Inc		ANA	ANALYSIS RE	REQUEST
FOR LAB USE ONLY		D C C C C C C C C C C C C C C C C C C C	RS TER	PRESERV. SAM	SAMPLING				
Lab I.D. #240932	Sample I.D.	Depth (feet)	(G)RAB OR (C)C # CONTAINERS GROUNDWATE WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chlorides	TPH BTEX			
- 0	HIMS HIMS	N-0	<u>-</u>	X 2	21/20	X			
eu	SIMS	,			0420				×
4	LIMS	_			250		_		
CU	8 ms	2,0			0440				
16	h252	2 <			Sha				
Ø.	6225				2450				
9	223		-	>	10700				
PLEASE NOTE: Liability and D	F527 Damages. Cardinal's liability an	nd client's exclusive remedy for an	Colin arising whether based in contract	N 2.1325	1025 10	X			
analyses. All claims including the service. In no event shall Cardin affiliates or successors arising o	ling those for negligence and any or Cardinal be liable for incidental or or Cardinal be liable for incidental or or ining out of or related to the perform	to client's exclusive remedy for an other cause whatsoever shall be done sequental damages, including consequental damages, including tance of services hereunder by Co	analyses. All claims including those for regispence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after competion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including whood in writing and received by Cardinal within 30 days after competion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, statistical control of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	or tort, shall be limited to the amount paid received by Cardinal within 30 days after received by Cardinal within so days after use, or loss of profits incurred by cliss of use, or loss of profits incurred by cliss based upon any of the above stated reas	d by the client for the r completion of the application, its subsidiaries, asons or otherwise.	able			
Miller		Time:	neceived by:	Palaka	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: ☐ [[] [] [] [] [] [] [] [] []	☐ Yes ☐ emailed. Pleas @ensolum.co	☐ No Add'I ase provide Em com, TMorrissey	Add'l Phone #: ide Email address: rrissey@ensolum.co	☐ Yes ☐ No ☐ Add'l Phone #: emailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com
Relinquished By:		Date: Time:	Received By:		REMARKS: Incident: NAPPZ42627740 Cost Center: 1 [7 6/9 1 190 1	729242627	77740	,	
Delivered By: (Circle One)		Observed Temp. °C 2.1	Samp	CHECKED BY:	Turnaround Time:	in o	Hard N	Bacteria (only	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	ıs - Other:	Corrected Temp. °C	CA.4 Ayes ayes	(minals)	Thermometer ID:	THE COLOR	×	Cool Intact	Observed Temp. °C

Page 14 of 15

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CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

222

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

FORM-006 R 3.2 10/07/21 + C:	Sampler - UPS - Bus - Other: Corrected	Delivered By: (Circle One)	Time:		Relinquished By:	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, is subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the analyses.	PLEASE NOTE: ishibitional Demonstration Configuration Co					11 5229	HZ50932	Lab I.D. Sample I.D. of	TOR LAB USE ONLY	Sampler Name: Joshua Boxley	19,-103	Project Name: PLU 043 SWD	6249	Phone #: 575 937 39% Fax #:	City: Carlsbad Stat	Address: 3122 National Parks Hwy	Project Manager: Trusy Hillard	Ensolum,
changes	Cool Intact Yes Tyes No No	Observed Temp. °C 2 / Sample Condition	HeceIved By:	0	Receive	quental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated	ive remedy for any claim arising whether based in contract or tort, shall soever shall be deemed waived unless made in writing and received be						<u>-</u>	# CON GROU	R:	MATRIX	Fax	78861 Phone #:	State	Project Owner: XTO City:		State: NM Zip: 88220 Attn:	Com	P.O.	
to colov koop	Thermometer ID:#	CHECKED BY: Turnaround Time:	REMARKS: APPZ426277740 Incident: NAPPZ426277740	THillard @ensol		or loss of profits incurred by client, its subsidiaries, con any of the above stated reasons or otherwise.	all be limited to the amount paid by the client for the by Cardinal within 30 days after completion of the applicable						X 2.13.75 11	OTHER DATE TIME	orides	PRESERV. SAMPLING		ne #:	State: NM Zip: 88220	City: Carlsbad	Address: 3104 E Green St	Attn: Colton Brown	Company: XTO Energy Inc	#:	BILL TO
	1		242627740	THillard @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com	es No Add'i Phone #:				1					ВТЕ											ANALYSIS REQUEST

Page 15 of 15



February 24, 2025

TRACY HILLARD
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: PLU 043 SWD

Enclosed are the results of analyses for samples received by the laboratory on 02/20/25 14:02.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Reported: 02/24/2025

02/24/2025 PLU 043 SWD 03C1558549

Project Location: XTO 32.19719, -103.78881

Sampling Date: 02/14/2025

Sampling Type: Soil

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

Sample ID: FS 28 4 (H251013-01)

Project Name:

Project Number:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719, -103.78881

mg/kg

Sample ID: FS 30 4 (H251013-02)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5900	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 02/20/2025
 Sampling Date:
 02/14/2025

 Reported:
 02/24/2025
 Sampling Type:
 Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 31 4 (H251013-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 32 4 (H251013-04)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4700	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719, -103.78881

mg/kg

Sample ID: FS 33 4 (H251013-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719, -103.78881

mg/kg

Sample ID: FS 34 4 (H251013-06)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7400	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 35 4 (H251013-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6100	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 36 4 (H251013-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.19719, -103.78881

mg/kg

Sample ID: FS 37 4 (H251013-09)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 38 4 (H251013-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719, -103.78881

ma/ka

Sample ID: FS 39 4 (H251013-11)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	206	103	200	0.394	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	194	97.1	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 40 4 (H251013-12)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.03	101	2.00	2.56	
Toluene*	<0.050	0.050	02/21/2025	ND	2.09	105	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.02	101	2.00	2.38	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	5.96	99.4	6.00	2.54	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	211	106	200	1.43	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	203	102	200	3.91	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 41 4 (H251013-13)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	211	106	200	1.43	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	203	102	200	3.91	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719, -103.78881

ma/ka

Sample ID: FS 42 4 (H251013-14)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7500	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	211	106	200	1.43	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	203	102	200	3.91	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719, -103.78881

ma/ka

Sample ID: FS 43 4 (H251013-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	211	106	200	1.43	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	203	102	200	3.91	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 44 4 (H251013-16)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	02/21/2025	ND	432	108	400	0.00	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	218	109	200	0.994	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	215	108	200	6.03	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane 97.4 % 49.1-1			8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 45 4 (H251013-17)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	218	109	200	0.994	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	215	108	200	6.03	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 46 4 (H251013-18)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5460	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	218	109	200	0.994	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	215	108	200	6.03	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	101 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148			8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 47 4 (H251013-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	218	109	200	0.994	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	215	108	200	6.03	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558549

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 48 4 (H251013-20)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	198	98.8	200	5.95	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	193	96.4	200	7.73	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane 93.5 %		% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.19719, -103.78881

ma/ka

Sample ID: FS 49 4 (H251013-21)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 02/21/2025	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050		02/21/2025	ND					
	0.050		ND	2.05	102	2.00	1.39	
	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
<0.300	0.300	02/21/2025	ND					
109 9	% 71.5-13	4						
mg/	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
4000	16.0	02/21/2025	ND	432	108	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/21/2025	ND	198	98.8	200	5.95	
58.1	10.0	02/21/2025	ND	193	96.4	200	7.73	
<10.0	10.0	02/21/2025	ND					
90.6	% 48.2-13	4						
92.6	% 49.1-14	8						
	<0.050 <0.150 <0.300 109 9 mg/ Result 4000 mg/ Result <10.0 58.1 <10.0	<0.050 0.050 <0.150 0.150 <0.300 0.300 109	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Celey D. Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/20/2025 Sampling Date: 02/14/2025

Reported: 02/24/2025 Sampling Type: Soil

Project Name: PLU 043 SWD Sampling Condition: Cool & Intact
Project Number: 03C1558549 Sample Received By: Tamara Oldaker

Project Location: XTO 32.19719, -103.78881

Sample ID: FS 50 4 (H251013-22)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.05	102	2.00	1.39	
Toluene*	<0.050	0.050	02/21/2025	ND	2.21	111	2.00	0.446	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.26	113	2.00	0.0407	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.80	113	6.00	0.538	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	02/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	198	98.8	200	5.95	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	193	96.4	200	7.73	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

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Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Company Name: Ensolum, LLC Project Manager: \(\sumathcap \alpha \cap \	79002710	BILL TO P.O. #:	ANALYSIS REQUEST	
Phone #: 575 タラフ 3906 Fax #:		Address: 3104 E Green St		
U SHS SW	D Compet Owner: X10	sba		
-0	-103.76881	State: NM Zip: 88220		
e: Joshua Boxley		Fnone #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D. D	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE DTHER:	CID/BASE: DE / COOL THER :	Chlorides TPH BTEX	
2 520	8	X 2.14.25 1	N N	
1253 8		0979		
		OHAO		
6 6234		20.75		
2531		52.00		
91.77		8%		
10 Frzd		<		
LEASE NOTE: Liability and Damages. Cardinats liability and client's exclusive analyses. All claims including those for politicages is liability and client's exclusive analyses.	sive remedy for any claim arising whether based in contract or local shall be a 2.14.25 0946	911-12 0946	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
ervice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business made in writing and received by Cardinal within 30 days after completion of the applicable filiates or successors arising out of prelating to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	use whatboever shall be deemed walved unless made in writing and receiverful damages, including without limitation, business interruptions, loss of services hereunder by Cardinal, regardless of whether such claim is base	y what we ill intered to the amount paid by the client for wed by Cardinal within 30 days after completion of the use, or loss of profits incurred by client, its subsidiarial points or otherwise.	for the applicable lands, and the applicable lands, and the applicable lands, and the applicable lands, and the applicable lands are applicable lands.	
The state of the s	me:	Verbal Result: All Results are		
Delivered By: (Circle One)	Received By:		REMARKS: https://doi.org/100/	oon@ensolum.com
FORM-006 R 3.2 10/07/21	Cool Intact Temp. C N Yes Tyes No No	(Initials) Thermometer ID: #	oteria (only) S	ample Condition Observed Temp. °C
-	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	s. Please email changes to co	NO	Corrected Temp. °C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

AND ANALYSIS REQ

	FORM-006 R 3.2 10/07/21	Delivered By: (Circle One)	elinquished-By:		filiates or successors arising out of or related the performance Relinquished By:	naryses. All claims including those for negligence and any other arrives. In no event shall Cardinal be liable for incidental or consu	LEASE NOTE: Liability and Damages. Cardinal's liability and cl	LHS3	9453 81		16 ESHH	1	1420 71		12 FEUD	11 2539	H251013	Lab I.D. Sample I.D.		FOR LAB USE ONLY	Sampler Name: Joshua Boylov	m:32.19719	7 0 7 7	~	Phone #: 575 937 3906	City: Carlsbad	Address: 3122 National Parks Hwy	11 Asserting March 141	nsolum, LL
l cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	Cool intact Cool intact Cool intact No I No I No		Date: Received By:	Received By	filiates or successors arising out of or related of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or newwindow. Parts. Date:	rialyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 down the client for the	Cardina's liability and client's exclusive framedy for the Cold M								2 2	v × S	(G)RAB (# CONTA GROUND WASTEW SOIL DIL	DWATER			100.1000	-10x 74481	Project Owner: XTO		_	State: NM Zin: 80220		11/land	
ges. Please email changes to cele	(Initials) (Initials) (Inermometer ID: #		REMARKS.		oss of use, or loss of profits incurred by client, its subsidiaries is based upon any of the above stated reasons or otherwise.	or tort, shall be limited to the amount paid by the client for the decived by Cardinal within 30 down the	X 2,4.25 1025		John John	1040	1035	1005	1800	h560	X 2.14.25 0949	O A ICO DAIE			PRESERV. SAMPLING	Fax #:	Phone #:	State: NM Zip: 88220	City: Carlsbad	Address: 3104 E Green St	Attn: Colton Brown	Company: XTO Energy Inc		P.O. #:	BILL TO
y.keene@cardinallabsnm.com	acteria (only) S ol Intact Yes Yes	157	@ensolum.com, TM	sult: ☐ Yes ☐ No Add'I Phone #:	applicable says a spile says a											T	Chlori FPH BTEX											ANALYSIS REQUEST	

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

70 p: 8
Company: XTO E Company: XTO E
Q
State: NM Zip: Phone #: Fax #:
Phone #:
Fax #: MATRIX PRESERV.
MATRIX PRESERV.
SE: OL
(G)RAE
U C11 X X 2.14.25 10.75
X
Nyes. At I claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received to the amount paid by the client for the
lates of successors arising out of or paleted to the performance of services hereunder by Cardinal, repardless of whether such claim is based upon any of the above stated resource or whether such claim is based upon any of the above stated resource or when the substituties.
Time 2005 Received By
Silinquished By: Date: Received By: Hill or J @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com
REMARKS: Incident: MA
Observed Temp. 'C Sample Condition CHECKED BY: Turnaround Time: Absolute
Yes Yes
T Cardinal cannot accept verbal changes. Please email chan

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

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

QUESTIONS

Action 443196

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	443196
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426227740
Incident Name	NAPP2426227740 PLU 043 SWD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU 043 SWD
Date Release Discovered	09/17/2024
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Corrosion Other (Specify) Produced Water Released: 1,029 BBL Recovered: 790 BBL Lost: 239 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Leak developed on a riser	

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

QUESTIONS, Page 2

Action 443196

QUESTI	ONS (continued)
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380 Action Number: 443196 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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	rafety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 03/17/2025

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

QUESTIONS, Page 3

Action 443196

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	XTO ENERGY, INC	5380
ı	6401 Holiday Hill Road	Action Number:
ı	Midland, TX 79707	443196
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	OCD Imaging Records Lookup	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)	
Any other fresh water well or spring	Between ½ and 1 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 5 (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	Between 1 and 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

Remediation Plan		
Please answer all the questions ti	hat apply or are indicated. This information must be provided t	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 de	monstrating the lateral and vertical extents of soil contamination	on 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	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained within a lined containment area	No
Soil Contamination Sampling	g: (Provide the highest observable value for each, in n	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	12800
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	58.1
GRO+DRO	(EPA SW-846 Method 8015M)	58.1
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes complete telephone for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAG
On what estimated date wi	Il the remediation commence	09/18/2024
On what date will (or did) to	ne final sampling or liner inspection occur	02/14/2025
On what date will (or was)	the remediation complete(d)	02/14/2025
What is the estimated surfa	ace area (in square feet) that will be reclaimed	10000
What is the estimated volu	me (in cubic yards) that will be reclaimed	1480
What is the estimated surfa	ace area (in square feet) that will be remediated	10000
What is the estimated volu	me (in cubic yards) that will be remediated	1480
These estimated dates and measu	rements are recognized to be the best guess or calculation at t	the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that propose	ed 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 443196

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	443196
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
Yes	
OWL LANDFILL JAL [fJEG1635837366]	
Not answered.	

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

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

Name: Colton Brown
Title: Environmental Advisor
Email: colton.s.brown@exxonmobil.com
Date: 03/17/2025

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

Released to Imaging: 3/21/2025 10:57:41 AM

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

QUESTIONS, Page 5

Action 443196

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	443196
	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 443196

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	443196
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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Sampling Event Information	
Last sampling notification (C-141N) recorded	431463
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/18/2025
What was the (estimated) number of samples that were to be gathered	60
What was the sampling surface area in square feet	12000

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	10000	
What was the total volume (cubic yards) remediated	1480	
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	10000	
What was the total volume (in cubic yards) reclaimed	1480	
Summarize any additional remediation activities not included by answers (above)	"Site assessment and excavation activities were conducted at the Site to address the September 17, 2024, release of produced water. 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. In addition, all waste-containing soil was removed from the top 4 feet of the release area. 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. All disturbed areas will be reseeded with a BLM approved seed mix in the next recommended planting season and a reclamation report will be submitted. Excavation of waste-containing soil has mitigated potential 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 nAPP2426227740."	

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: Colton Brown
Title: Environmental Advisor
Email: colton.s.brown@exxonmobil.com
Date: 03/17/2025

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 443196

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	443196
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

General Information Phone: (505) 629-6116

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

CONDITIONS

Action 443196

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	443196
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By		Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2426227740 PLU 043 SWD, thank you. This Remediation Closure Report is approved.	3/21/2025