

April 30, 2025

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

Re: Closure Request

Corral Canyon 16-9 State FED Com 121H

Incident Number nAPP2425666588 and nAPP2427451370

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 excavation and soil sampling activities performed at the Corral Canyon 16-9 State FED Com 121H (Site). The purpose of excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan* (*Work Plan*), was to address impacts to soil resulting from two releases of produced water at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further action for Incident Numbers nAPP2425666588 and nAPP2427451370.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 16, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.123183°, -103.9971386°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (SLO) under lease number V049020001 and Federal Land managed by the Bureau of Land Management (BLM).

On September 12, 2024, produced water piping valves were inadvertently left open resulting in the release of 680 barrels (bbls) of produced water into a temporary lined containment and onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 660 bbls of released fluids were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted an Initial C-141 Application (C-141) on September 13, 2024. The release was assigned Incident Number NAPP2425666588.

On September 30, 2024, a produced water flex line had a blowout which resulted in the release of 265 barrels (bbls) of produced water into a temporary lined containment and onto the surface of the well pad. Some of the released fluids sprayed beyond the containment walls. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 260 bbls of released fluids were recovered. XTO immediately reported the release to the NMOCD and submitted a C-141 on October 1, 2024. The release was assigned Incident Number nAPP2427451370.

As stated in the *Work Plan*, when the release location information was submitted onto the NMOCD portal immediately after the release occurred for Incident Number nAPP2427451370, it was mistakenly submitted approximately 1.7 miles northwest of the Site. The release location information provided

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above is correct and was verified with photos collected from the Site immediately after the release occurred.

Ensolum conducted Site assessment and delineation activities and presented the results in the *Work Plan*. The *Work Plan* was submitted on December 11, 2024, and approved by the NMOCD on January 8, 2025. The *Work Plan* proposed excavation of impacted soil and collection of confirmation soil samples on the surface of the facility pad, within the release extent area, where delineation soil sample laboratory analytical results suggested concentrations were below the Closure Criteria. The release extent areas and delineation soil sample locations are depicted on Figure 1.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the approved *Work Plan*, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Ensolum personnel were onsite from February 12, 2025 through April 16, 2025 to oversee excavation of impacted soil according to the approved Work Plan. Prior to begining excavation activities, the temporary lined containment and nearby production equipment was removed from the work area. allowing full access to the impacted soil identified in delineation soil sample BH01 at 0.5 feet bgs, located directly underneath the liner. Excavation activities were performed by use of heavy equipment. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Since the release occurred in multiple areas on the pad, six different excavation extents were completed to remove all impacted soil. Once field screenings indicated impacted soil was adequately removed, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS27 were collected from the floor of the excavation at depths of ranging 1-foot to 6 feet bgs. Confirmation soil samples SW01 through SW14 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 6 feet bgs. Confirmation soil samples CS01 through CS04, CS08, CS09, CS11 through CS16 were collected on the pad surface, within the release extent area. All confirmation soil sample locations were mapped utilizing a handheld global positioning system (GPS) unit and are depicted 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-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.



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The final excavation extents measured a total of 4,850 square feet. A total of approximately 840 cubic yards of impacted soil was removed during the excavation activies. The impacted soil was transported and disposed of at the R360 Landfill Disposal facility in Hobbs, New Mexico. Disposal manifests can be found in Appendix B. The final excavation was fenced off pending backfill activities.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for CS08, CS11 through CS14, FS10, SW10 and SW11 indicated TPH concentrations exceeded Closure Criteria but those soil samples were removed during excavation activities and confirmation soil samples were subsequently collected in those areas with analytical results indicating COC concentrations were below Closure Criteria. Analytical results for FS22 and SW02 indicated TPH concentrations marginally exceeded Closure Criteria, as such, those areas were resampled on March 11, 2025, and analytical results indicated all COC concentrations were below the Closure Criteria. Laboratory analytical results for all other final confirmation soil samples collected indicated COC concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Following the removal of the temporary lined containment and production equipment, excavation activities were conducted at the Site as indicated in the *Work Plan* to address the September 2024 releases of produced water. The approved *Work Plan* is provided in Appendix D. Laboratory analytical results for the final confirmation soil samples collected indicate all COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site recontoured to match pre-existing site conditions.

Excavation of soil has mitigated impacts exceeding the Closure Criteria at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Numbers nAPP2425666588 and nAPP2427451370.

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

Sincerely, **Ensolum**, **LLC**

Benjamin J. Belill Senior Geologist

cc: Dale Woodall, XTO

Kaylan Dirkx, XTO

SLO BLM Ashley L. Ager, M.S., P.G.

ashley L. ager

Principal

XTO Energy, Inc Corral Canyon 16-9 State FED Com 121H Closure Request

Appendices:

Figure 1 Delineation Soil Sample Locations
Figure 2 Confirmation Soil Sample Locations
Table 1 Soil Sample Analytical Results

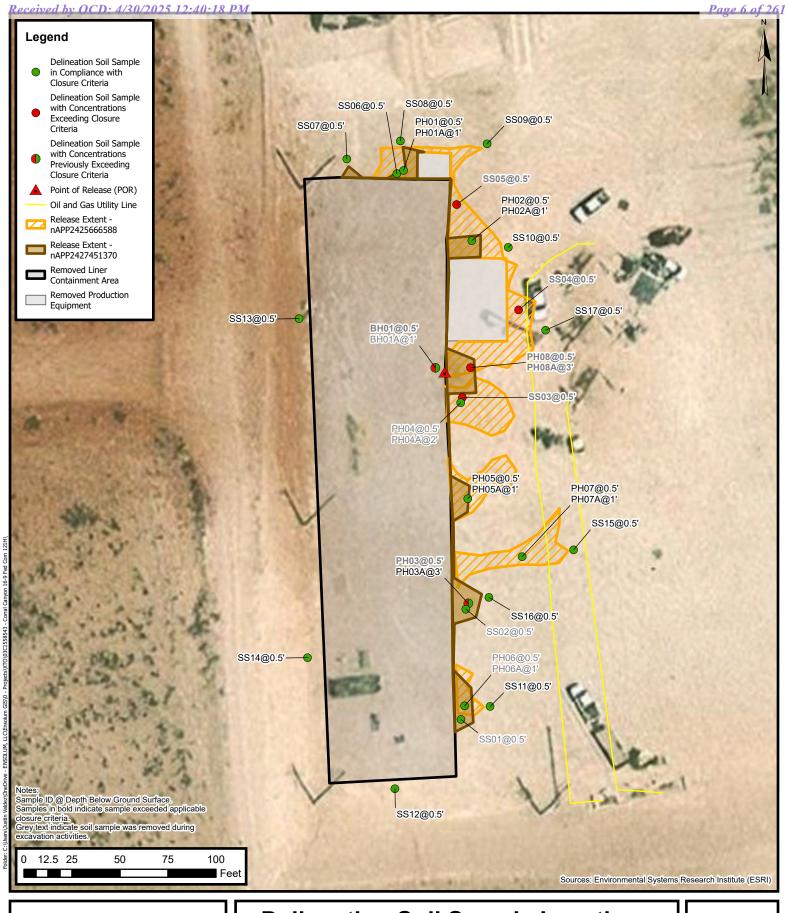
Appendix A Photographic Log Appendix B Disposal Manifests

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

Appendix D NMOCD Approved Work Plan dated December 11, 2024



FIGURES

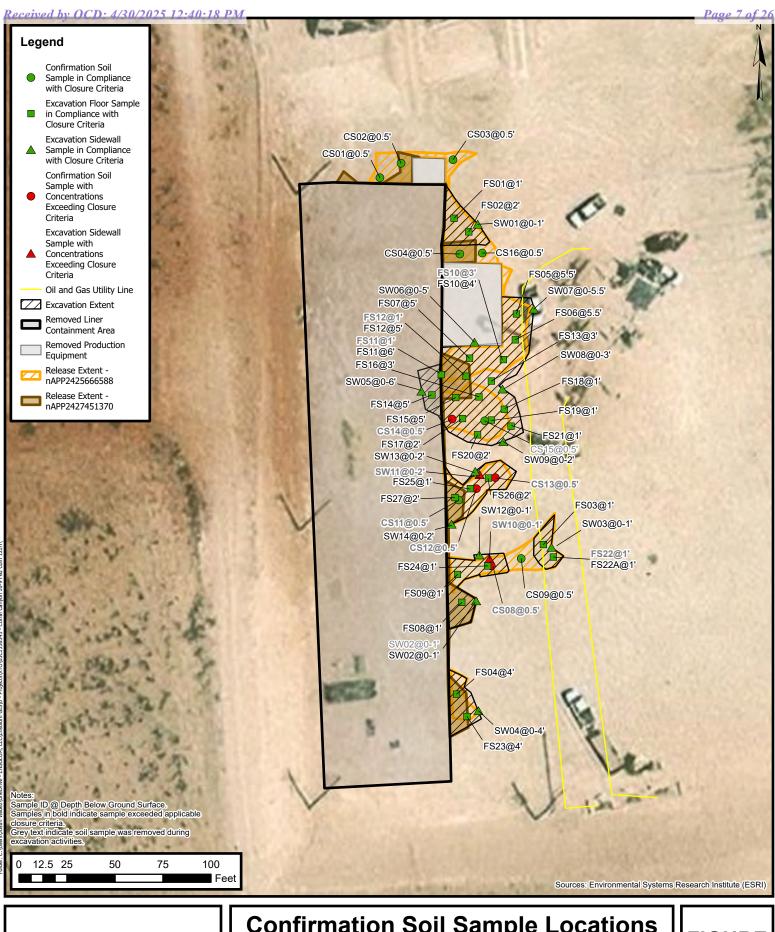




Delineation Soil Sample Locations

XTO Energy, Inc Corral Canyon 16-9 Fed Com 121H Incident Number: nAPP2425666588, nAPP2427451370 Unit M, Section 16, T 25S, R 29E Eddy County, New Mexico FIGURE

1





Confirmation Soil Sample Locations

XTO Energy, Inc Corral Canyon 16-9 Fed Com 121H Incident Number: nAPP2425666588, nAPP2427451370 Unit M, Section 16, T 25S, R 29E Eddy County, New Mexico

FIGURE 2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corral Canyon 16-9 State FED COM 121H 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 (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Delir	neation Soil Sa	mples				
\$\$01	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	< 10.0	<10.0	<10.0	64.0
SS02	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS03	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,550
SS04	10/11/2024	0.5	<0.050	<0.300	64.1	13,200	110	13,300	13,400	1,420
SS05	10/11/2024	0.5	<0.050	<0.300	<10.0	19.5	<10.0	19.5	19.5	608
SS06	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS07	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS08	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS09	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS10	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS11	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS12	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SS13	11/15/2024	0.5	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS14	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS15	11/15/2024	0.5	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS16	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS17	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH01	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
BH01A	11/15/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PH01	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH01A	11/14/2024	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
PH02	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
PH02A	11/14/2024	1	< 0.050	<0.300	<10.0	14.3	<10.0	14.3	14.3	272
PH03	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PH03A	11/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PH04	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PH04A	11/14/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PH05	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH05A	11/14/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH06	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PH06A	11/14/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corral Canyon 16-9 State FED COM 121H 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 (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
PH07	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH07A	11/15/2024	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH08	11/14/2024	0.5	<0.050	<0.300	<10.0	1,430	<10.0	1,430	1,430	576
PH08A	11/14/2024	3	<0.050	<0.300	10.6	976	<10.0	987	987	544
					rmation Soil Sa					
CS01	02/12/2025	0.5	<0.050	<0.300	<10.0	65.3	<10.0	65.3	65.3	464
CS02	02/12/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
CS03	02/12/2025	0.5	<0.050	<0.300	<10.0	27.4	<10.0	27.4	27.4	288
CS04	02/12/2025	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS08	02/13/2025	0.5	<0.050	<0.300	<10.0	110	<10.0	110	110	256
CS09	04/03/2025	0.5	<0.050	<0.300	<10.0	99.0	<10.0	99.0	99.0	320
CS11	04/03/2025	0.5	<0.050	<0.300	<10.0	112	<10.0	112	112	320
CS12	02/13/2025	0.5	<0.050	<0.300	<10.0	296	<10.0	296	296	368
CS13	02/13/2025	0.5	<0.050	<0.300	<10.0	585	<10.0	585	585	160
CS14	02/13/2025	0.5	<0.050	<0.300	<10.0	208	<10.0	208	208	160
CS15	02/13/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS16	02/13/2025	0.5	<0.050	<0.300	<10.0	21.2	<10.0	21.2	21.2	304
FS01	02/12/2025	1	<0.050	<0.300	<10.0	31.7	12.4	31.7	44.1	288
FS02	02/12/2025	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS03	02/19/2025	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS04	02/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS05	03/13/2025	5.5	<0.050	<0.300	<10.0	87.4	<10.0	87.4	87.4	288
FS06	03/13/2025	5.5	<0.050	<0.300	<10.0	53.4	<10.0	53.4	53.4	336
FS07	02/20/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS08	02/13/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS09	02/13/2025	1	<0.050	<0.300	<10.0	63.9	<10.0	63.9	63.9	192
FS10	02/20/2025	3	<0.050	<0.300	<10.0	281	<10.0	281	281	224
FS10	03/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS11	02/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS11	02/19/2025	6	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corral Canyon 16-9 State FED COM 121H 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	NE	100	600
FS12	02/14/2025	4	<0.050	<0.300	<10.0	28.5	<10.0	28.5	28.5	352
FS12	02/20/2025	5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS13	02/20/2025	3	<0.050	< 0.300	<10.0	15.1	<10.0	15.1	15.1	256
FS14	02/19/2025	5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS15	02/20/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS16	02/20/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS17	02/20/2025	2	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS18	02/20/2025	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS19	02/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS20	02/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS21	02/19/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS22	02/19/2025	1	<0.050	<0.300	<10.0	146	< 10.0	146	146	304
FS22A	03/11/2025	1	< 0.050	<0.300	<10.0	12.0	<10.0	12.0	12.0	336
FS23	02/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS24	03/13/2025	1	<0.050	<0.300	<10.0	12.3	<10.0	12.3	12.3	432
FS25	03/13/2025	1	<0.050	<0.300	<10.0	44.9	<10.0	44.9	44.9	176
FS26	03/13/2025	2	<0.050	<0.300	<10.0	11.2	<10.0	11.2	11.2	144
FS27	04/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW01	02/20/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW02	02/20/2025	0-1	<0.050	<0.300	<10.0	141	<10.0	141	141	448
SW02	03/11/2025	0-1	< 0.050	<0.300	<10.0	87.3	<10.0	87.3	87.3	432
SW03	02/19/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW04	02/19/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
SW05	02/20/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
SW06	03/11/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW07	03/12/2025	0-5.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW08	03/11/2025	0-3	<0.050	<0.300	<10.0	26.5	<10.0	26.5	26.5	496
SW09	03/11/2025	0-2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544

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TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** Corral Canyon 16-9 State FED COM 121H 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 CI	osure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SW10	03/13/2025	0-1	<0.050	<0.300	<10.0	198	<10.0	198	198	384
SW11	03/13/2025	0-2	<0.050	<0.300	<10.0	74.5	25.7	74.5	100.2	192
SW12	03/26/2025	0-1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW13	03/26/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW14	04/16/2025	0-2	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176

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

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APPENDIX A

Photographic Log

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Photographic Log

XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H Incident Numbers nAPP2425666588 & nAPP2427451370





Photograph: 1 Date: 3/11/2025

Description: Northern-most excavation extent.

View: Southeast

Photograph: 2 Date: 3/25/2025 Description: Southern-most excavation extent.

View: Northwest





Photograph: 3 Date: 3/25/2025

Description: Excavation extent near FS08/FS09.

View: Northeast

Photograph: 4 Date: 3/26/2025

Description: Northern-most excavation extent.

View: West



Photographic Log

XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H Incident Numbers nAPP2425666588 & nAPP2427451370





Photograph: 5 Date: 3/26/2025

Description: Excavation extent near FS17/FS20.

View: Southeast

Photograph: 6 Date: 3/26/2025

Description: Excavation extent near FS10.

View: West





Photograph: 7 Date: 3/26/2025

 $\label{lem:prop:prop:second} \mbox{Description: Excavation extent near FS05/FS06}.$

View: West

Photograph: 8 Date: 4/16/2025

Description: Excavation extent near FS27.

View: Southeast



APPENDIX B

Disposal Manifests

Company Man Conta	act Information
Name 1/2 cn 1	Betz
Phone No. 414	-133-261

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Operator No.	Permit/RRC No.	nop at new RB 375421 mg
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City, State, Zip		Rig Hame & No - Srowl 100 15 00 00 00 00 00 00 00 00 00 00 00 00 00
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E&P Contaminated Soil	ERNAL USE ONLY	Utralism gas for 22 Commod et al memmo
	ck Washout (exempt waste)	to the second parameters and the second
WASTE GENERATION PROCESS: DRILLING	COMPLETION PRODUCTIO	N GATHERING LINES
	NON-EXEMPT E&P Waste/Service Identification and Amo	unt
	e analysed and be below threshold limits for toxicity (TCLP)	
Non-Exempt Other	*please select	rom Non-Exempt Waste List on back
QUANTITY B-B/	ARRELS DEW of policer evolu	ent losse / Salv-YARDS
I hereby certify that the above listed material(s), is (are) not he classified and packaged, and is in proper condition for transport	azardous waste as defined by 40 CFR Part 261 or any application according to applicable regulation.	cable state law. That each waste has been properly described,
RCRA EXEMPT: Oil field wastes gener	ated from oil and gas exploration and production operation	
certifications on a per	load basis only)	
RCRA NON-EXEMPT: Oil field waste which regulations, 40 CFR 2	s non-nazardous that does not exceed the minimum standa 261.21-261.24, or listed hazardous waste as defined by 40 (rds for waste hazardous by characteristics established in RCRA
documentation demo	nstrating the waste as non-hazardous is attached. (Check the	e appropriate items as provided)
MSDS Information	RCRA Hazardous Waste Analysis	Other (Provide Description Below)
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livas , dinomikro nelling considera marja centativi	Truck Nosquipa 9 a	Jump Trump 10-03
Phone No	230 Costa WHP No. offcaQ *	· Opsione Walm Lassr _olimins
I hereby certify that the above named material(s) was/were pi	cked up at the Generator's site listed above and delivered w	ithout incident to the disposal facility listed below.
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mothed TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
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Name	Kent	Ret	2
Phone	No. 4-14-	133-	201

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		nstrating the waste as non-hazardous			
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(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name FENT KeTZ
Phone No. 419-733-7615

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Compar	ny Man Contact Information
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I hereby certify that the above listed material classified and packaged, and is in proper cor	(s), is (are) not hazar	dous waste as defined by 40 CFF		able state law. That each wa		cribed,
RCRA EXEMPT: Oil fie	eld wastes generated	from oil and gas exploration and				3
	ications on a per load	d basis only) n-hazardous that does not excee	d the minimum standard	la far waata hamardaya ku a	todation autoblished in	DODA
areaW 13.5 toms regul	ations, 40 CFR 261.2	21-261.24, or listed hazardous wating the waste as non-hazardous	ste as defined by 40 CF	R, part 261, subpart D, as a	mended. The following	RUKA
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(PLEASE PRINT) SOURCE *REQUIRED*INFORMATION****

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I hereby certify that the above lister classified and packaged, and is in p	d material(s), is (are) no proper condition for tran	t hazardous waste as defined by sportation according to applicable	40 CFR Part 261 or any applie regulation.	cable state law. That each waste	has been properly described,
RCRA EXEMPT:	Oil field wastes ge	nerated from oil and gas explorati			
RCRA NON-EXEMPT:		per load basis only) ch is non-hazardous that does no	avecad the minimum stands	rda for waata hazardaya bu ahara	notoriotics actablished in PCDA
pt E&P Waste	regulations, 40 CF	R 261.21-261.24, or listed hazard monstrating the waste as non-haz	ous waste as defined by 40 C	FR, part 261, subpart D, as ame	nded. The following
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hereby certify that the above name	ed material(s) was/were	picked up at the Generator's site	listed above and delivered w	ithout incident to the disposal fac	ility listed below.
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(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information

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			dous waste as defined by 4 disconnection according to applicable				te has been properly described,
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TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFESTWOOD & TOURSE

R360
ENVIRONMENTAL SOLUTIONS

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Compa	ny Man Contact Information
Name_	Bent Ret L
Phone	No. 4 19-733 261

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City, State, Zip					Name & No.	Forestope Soft	00510	~ .	
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I hereby certify that	the above listed mater	ial(s), is (are) no	ot hazardous	waste as defined by 40 (ccording to applicable reg					
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(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information

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Operator No.					Permit/RRC No.	Onto Some	na san sieni	According to the out	374731
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City, State, Zip		1/		аты Пуму оле	Rig Name & No.	IL CC		05100	
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Oil Based Muds Oil Based Cuttings	_			CTABLE WATERS	14.1	1 4			S (type and generation process of the waste)
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Water Based Cuttin			Water (Non-Injectable)	nado-rimpa					
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WASTE GENERAT	ION PROCESS:	DRILLIN	G	COMPLETION	PR	ODUCTION		GATHERIN	IG LINES
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QUANTITY			B-BARREL	S	aterny ad anil	yar wadan Tau	To map 6	Y-YARDS	E-EACH
I hereby certify that the	ne above listed mate	rial(s), is (are) i	not hazardo	us waste as defined by 40				. That each wa	ste has been properly described,
				according to applicable r					WHP ID I ST Was
RCRA EXEM		ertifications on			and production	operation ar	nd are not mix	red with non-ex	empt waste (R360 Accepts
RCRA NON-E	EXEMPT: O	il field waste w	hich is non-	hazardous that does not e	xceed the minim	um standard	ls for waste h	azardous by ch	aracteristics established in RCRA
isle -	W.923 fgmenre	egulations, 40 C	FR 261.21	-261.24, or listed hazardoung the waste as non-hazar	us waste as defin	ed by 40 CF	R, part 261,	subpart D, as a	mended. The following
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I hereby certify that th	e above named mat	erial(s) was/we	re picked u	p at the Generator's site li	sted above and o	delivered with	nout incident	to the disposal	
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BPT TEXAS NON-HAZARDO		White - ORIGI	NAL	Blue - TRANSPO	DRIER	reliow -	GENERATO	IK.	NICHOLS PRINTING, INC. • 575-885-3313

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Tank Bottoms E&P Contaminat	chalunce etc.)	4	Gathering Line INTERNAL USE	Water/Waste (Non-Ir	njectable)	inul is a contract	Vasie Val Suenoraleo a	Patillies Talovar	
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WASTE GENER	ATION PROCESS:	DRILLING	G	COMPLETION		PRODUCTION	GATHER	ING LINES	
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QUANTITY			B-BARRELS		atanuar)	Endower combination	Y-YARDS	HDDS 3250[2115 - 38	CHING
I hereby certify that	at the above listed materi	al(s), is (are) r	ot hazardous wa	aste as defined by 40	OFR Part 2	31 or any applica	able state law. That each w		
classified and pac	kaged, and is in proper o	condition for tra	nsportation acco	ording to applicable r	egulation.			SLAW or the Wade	19HW
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RCRA NOI	SEW SASTIQUESTED	julations, 40 C	FR 261.21-261.2	24, or listed hazardor	us waste as o	lefined by 40 CF	ls for waste hazardous by R, part 261, subpart D, as appropriate items as provi	amended. The follo	olished in RCRA wing
busine Days	THE RESERVE OF THE PARTY OF THE	SDS Informatio		_		Vaste Analysis		er (Provide Descript	tion Below)
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Site Name/ Permit No.	Red Bluff Fac			containing services	Phone No.	43	2-448-4239	Later Communicati	
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PT TEXAS NON-HAZAF	RDOUS OIL FIELD WASTE MAN	White - ORIGIN	IAL	Blue - TRANSPO	ORTER	Yellow -	GENERATOR	MODOLO PRIMI	308.R360-5160

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST and Management of the Control of the

Company	Man Conta	act In	formation		
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Phone No	Organia a reco	spani			

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Oil Based Muds	NON-INJECTABLE WATER		OTHER	EXEMPT WASTE	S (type and generation process of the wast
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Gas Plant Waste	Truck Washout (exempt was	te) and guranted law with	Mensila Comment	NO MO	Duriw steely - HerrenT ni.
WASTE GENERATION PROCESS:	DRILLING COMPLETI	ON PROD	UCTION	GATHERIN	NG LINES
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		product	A COMPANY	CADALL AND MARKET	ACTURES - SERVING ACTURES ACTURED ACTU
QUANTITY	B-BARRELS	HERWICH BALLE	DEVILOPED BY	7 Y-YARDS	Divor9 - emE-EACHTU
I hereby certify that the above listed material(s), classified and packaged, and is in proper condition	on for transportation according to app	licable regulation.	establica entre M		esty ant reid - off #HW
RCRA EXEMPT: Oil field	wastes generated from oil and gas explicated and ga	oloration and production ope	eration and are not	mixed with non-ex	empt waste (R360 Accepts
	waste which is non-hazardous that do	es not exceed the minimum	standards for was	te hazardous by ch	paracteristics established in RCR
StasW 985 miles regulation	ns, 40 CFR 261.21-261.24, or listed h	azardous waste as defined	by 40 CFR, part 26	61, subpart D, as a	mended. The following
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MSDS Ir	nformation	RCRA Hazardous Waste A	inalysis	Other	(Provide Description Below)
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(PRINT) AUTHORIZED AGENTS NA	ME	DATE CONSIDER OF THE CONSTRUCTION OF THE CONST	1	SIGNATURE	Oil Posed Unit cutings
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Phone No.		WHP No.			- Ottober War day of seed a
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Site Name/ Permit No. Red Bluff Facility	/STF-065	Phone No.	432-448-4	1239	Amella Ballon
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White	- ORIGINAL Blue - TR	RANSPORTER	Yellow - GENERA	ATOR	308.R360-51
PT TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST:					

R360

(DI EACE DOING

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Kent Ret 7
Phone No. 119-733-26

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Operator No.				Permit/RRC I	Vo.	eneg : "I reter	M HKBuch	375502	_ \
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WASTE GENERAT	ION PROCESS:	DRILLING	COMPLETION	N	PRODUCTION		GATHERI	NG LINES	
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		t E&P waste must	be analysed and be below the	reshold limits for t	oxicity (TCLP),	Ignitability, C	Corrosivity and R	eactivity.	
Non-Exempt Other					please select fr	om Non-Exe	empt Waste List	t on back	IA.
QUANTITY		B-	BARRELS	atsew and	power feating	at to and	✓ Y-YARDS	(HOA3-3me - Trovide	IQ
hereby certify that t	he above listed mate	erial(s), is (are) not	hazardous waste as defined portation according to applica	by 40 CFR Part 2			w. That each wa		
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, statement 1,557	Met Land to Feathern	ISDS Information	☐ R	CRA Hazardous V	Vaste Analysis		Othe	r (Provide Description	Below)
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	documentation de	monstrating the waste as non-hazard	dous is attached. (Chec	k the appropriate iter	ms as provided)	
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Compa	iny Man Contact II	ntormation
Name	Kent	Rete
Phone	No 4 197	277615

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Operator No.		Pe	rmit/RRC No.		375496
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QUANTITY	B-BARRE	ELS	alega e di Bunca i Galdani	7 O (Y-YARDS)	E-EACH
I hereby certify that the above listed materia	al(s), is (are) not hazard	dous waste as defined by 40 (OFR Part 261 or any applica		
classified and packaged, and is in proper co	ondition for transportation	on according to applicable req	gulation.		White the Litting Was
RCRA EXEMPT: Oil	field wastes generated tifications on a per load	from oil and gas exploration a	and production operation ar	d are not mixed with non-ex	empt waste (R360 Accepts
RCRA NON-EXEMPT: Oil	field waste which is nor	n-hazardous that does not ex	ceed the minimum standard	s for waste hazardous by ch	aracteristics established in RCRA
918EW SAS IQIN-Aregi	ulations, 40 CFR 261.2 sumentation demonstra	1-261.24, or listed hazardous ting the waste as non-hazardous	waste as defined by 40 CF ous is attached. (Check the	R, part 261, subpart D, as a appropriate items as provide	mended. The following
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(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information

			(3)	GENE	RATOR	O MILBRANEY		Address, UNV. State, Zip - Business	
Operator No.				P8	Permit/RRC No.	come y remaiss	nds off arenty	RB 375501	
	1X-	tr			Lease/Well	X O	- COTTE	THE STOPPEN STATE	1115
Operators Name Address			ennon dosia		Name & No. County	i beiggene	ABW DOEW-HT	Copply - Provide the county at which:	
Addiess					API No.	300	N Salfa	API No Provide the Admids Tes	
City, State, Zip					Rig Name & No.	on Colonial	3700	Sig Warme & No - And Order	
Phone No.			Territoria	Pupit asia landor IF 11	AFE/PO No.	2 Daylood	a mitte	MX16004 4 79 100 100 100 100	
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E&P Contaminated Gas Plant Waste	SOIL	PARTITION OF THE PARTIT		out (exempt waste)	il granita y lan	Ottori or 10	i den manelt, f	no Transit - Warre which is spiled wh	
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	1011111002001	Dixicent		XEMPT E&P Waste/Se			Wile of the state	THE REPORT OF THE PROPERTY OF	511
	All non-exempt	E&P waste m	ust be analys	ed and be below thresh	old limits for toxic	ity (TCLP), I	nt gnitability, Cor	rosivity and Reactivity.	
Non-Exempt Other			-		*plea	ase select fro	m Non-Exemp	ot Waste List on back	
QUANTITY			B-BARRELS		station and onl	life i level e	1 Comin &	Y-YARDS - E-EACH	\equiv
I hereby certify that the classified and package	he above listed materi	al(s), is (are) a	not hazardous	s waste as defined by 4 according to applicable	0 CFR Part 261 o	or any applica	able state law.	That each waste has been properly describ	ed,
RCRA EXEM				Committee of the Commit	DO SON THE THE THE THE			ed with non-exempt waste (R360 Accepts	
D DODA NON E	cer	rtifications on	a per load bas	sis only)	Waste Ca				
RCRA NON-E		ulations, 40 C	nich is non-na CFR 261.21-2	azardous that does not 61.24, or listed hazardo	exceed the minimous waste as defir	ium standard ned by 40 CF	R. part 261, su	zardous by characteristics established in R ubpart D, as amended. The following	CRA
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R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST WILLIAM SUCCESSION OF THE WASTE WAST

(PLEASE PRINT)

REQUIRED INFORMATION

Name Sept Ref Z

	GENERATO	S AND CONTRACTOR	A DESCRIPTION SIGNATURE OF THE PROPERTY OF THE
Operator No.	Permit/RR0	No.	RB 375498
Operators Name	Lease/Well	OVI	al Conyon 16-95+ tall
Address		io I in Delinenso	County i provide this count passwhen one waste tree
	API No.	300	453 Q Shien A edi envora - ali 194
City, State, Zip	Rig Name	and the second second	187005 100 1 sacod glR
Phone No.	AFE/PO N	. Corc	M# 4860 490 2110934
Oil Based Muds	N-INJECTABLE WATERS	n glocal and sharing	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings Wa	shout Water (Non-Injectable		New and Enthance and Charles and Seneral Section (1999)
Water Based Muds Col	mpletion Fluid/Flow Back (Non-Injectable)	and and page.	Interest Completion - March processor of the party
Produced Formation Solids	duced Water (Non-Injectable) thering Line Water/Waste (Non-Injectable)	in the matrix of a	Production was good from poor office
TAIR DULLOTTIS	TERNAL USE ONLY	West, Black Co.	Curromercial Facilities - Wasse that is general the
Gas Plant Waste Tru	ck Washout (exempt waste)	пан эшплигы 10	a Territoria estas pertenegas a dondos atendos Tituras Tital
WASTE GENERATION PROCESS: DRILLING	COMPLETION	PRODUCTION	GATHERING LINES
	NON-EXEMPT E&P Waste/Service Identi	fication and Amoun	dane - remarko dul un palardo escerente este escerente
The same of the sa	be analysed and be below threshold limits for	TO SECTION OF THE PARTY OF THE	The state of the s
Non-Exempt Other		*please select from	m Non-Exempt Waste List on back
QUANTITY B-B	ARRELS (thaw a	ri gare Ednevob <mark>k</mark> a	STEP SEE Y-YARDS E-EACH
I hereby certify that the above listed material(s), is (are) not h classified and packaged, and is in proper condition for transp	nazardous waste as defined by 40 CFR Part		
			d are not mixed with non-exempt waste (R360 Accepts
certifications on a pe	r load basis only)	(A)	
RCRA NON-EXEMPT: Oil field waste which regulations 40 CFR	is non-hazardous that does not exceed the	minimum standard	s for waste hazardous by characteristics established in RCRA- R, part 261, subpart D, as amended. The following
documentation demo	onstrating the waste as non-hazardous is att	ached. (Check the	appropriate items as provided)
MSDS Information	RCRA Hazardou	s Waste Analysis	Other (Provide Description Below)
yterollasis ve s teer ee station		mole is a	Company Language Company
(PRINT) AUTHORIZED AGENTS NAME	DATE	Payment - Company	SIGNATURE COMMISSION MESSES 49 #
	TRANSPORTE	R	з прима и пожет не знолежение
Transporter's	TRANSPORTE	co openia	1 1 Supplementation
Name Service	S In C Driver's	Name	Isturio de Jesus E.
	S In C Driver's Phone N	Name /	Istunia de Jeson E
Name Address	S M C Driver's Phone N	Name /	Isturia de Jesus E.
Name Address Phone No.	S M C Driver's Phone N Truck N WHP No	Name	Intunia de Jeson E. Omp truck 0-03 out incident to the disposal facility listed below.
Name Address Phone No. I hereby certify that the above named material(s) was/were p	Driver's Phone N Truck N WHP Noticked up at the Generator's site listed above	Name lo.	S Artonio de Sesco E.
Name Address Phone No. I hereby certify that the above named material(s) was/were p	Driver's Phone N Truck N WHP N icked up at the Generator's site listed above	Name Jo. and delivered with Collivery Date	S Action to de Sesco E
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Phone No. I hereby certify that the above named material(s) was/were partial that the above named material	Driver's Phone N Truck N WHP No icked up at the Generator's site listed above SIGNATURE DISPOSAL FACI AND ADDRESS SIGNATURE Phone N X 79770	Name lo. o. and delivered with lo. DeLivery DATE LITY lo. 433	DRIVER'S SIGNATURE RECEIVING AREA Name/No. 2-448-4239
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(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information Phone No. 419733 7615

				GENER	RATO	R m 0 m best-i		resuring - n	SS CHY State &	7
Operator No.					Permit/RR0	C No.	asu allunava	KB	37549	DIN TOTAL
1	V-	TI			Lease/Well	Core	al cin	yon 16	951 76	a 121 H
Operators Name			military starting		Name & No). <u> </u>	and of the same	MI HILL THE CONTRACTOR	WI & SHISW HOW Y	dinoth:
Address	-	-	PROTEIN A SHARE		County	and the same	0155	OTAY STANDARD	no all assures a	minor.
City State 7in		_			API No.		01000	05100	ame 6 No Profe	an inger
City, State, Zip Phone No.		1	20000		Rig Name			860490		gradin
Filotie No.	0		15010	The cut, samult par	AFE/PO NO). (151 (PHM	060170	0000	1018
Oil Based Muds		-	NON-INTE	CTABLE WATERS	Waltering	a pipey our grade	TOTUED EV	EMDT WASTE	S (type and generation	in anidor outil
Oil Based Cuttings				Vater (Non-Injectable			OTHER EX	EIVIPT WASTE		process of the waste)
Water Based Muds				Fluid/Flow Back (Non-In	njectable)	es ell contillation	HTMLVTD 40-10-1			
Water Based Cuttings Produced Formation Solid	e as marrins	r tosio zou or		Water (Non-Injectable)	Five income	1 - 2 - 11	onibula orași		isp starW - irelia	
Tank Bottoms	/ se squiers	manufacture of	Marine Marine Barrier Street	Line Water/Waste (Non-In	njectable)		6 112000	2/11/	vertical English	
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Gas Plant Waste				hout (exempt waste)				<u> </u>	a transport of	
WASTE GENERATION P	ROCESS:	DRILLING	ì	COMPLETION		PRODUCTION		GATHERIN	NG LINES	
				EXEMPT E&P Waste/Se				2×24 = 1 10	Constituent, St.	- HISPARIST
	All non-exempt	E&P waste mu	ist be analy	sed and be below thresh	nold limits fo	THE RESIDENCE OF THE PARTY WAY	THE RESERVE	WITH THE WEST OF STREET	OTTO STATE OF THE STATE OF	2739)
Non-Exempt Other						*please select fro	om Non-Exem	pt Waste List	t on back	anbb.4
QUANTITY			B-BARREL	S	202002	dry hier or be	Men 19	Y-YARDS	abiyas9 - sm E-EA	CH
I hereby certify that the abo classified and packaged, ar	ve listed mater od is in proper o	ial(s), is (are) n	ot hazardoi nsportation	us waste as defined by 40 according to applicable	0 CFR Part regulation.				ste has been prop	
RCRA EXEMPT:	Oi	field wastes g	enerated fro	om oil and gas exploratio	n and prod					
RCRA NON-EXEMP		rtifications on a		asis only) nazardous that does not e	avaged the	minimum etender	do for wooto be	zardouo bu ok	arastaristica satab	aliahad in DCDA
DIRECTA NON-EXEMP				261.24, or listed hazardo						
Ime to be sviens ad tou	do			g the waste as non-haza						Secure and the
January TC PIN mass	☐ MS	SDS Informatio	n_	RCRA	A Hazardou	s Waste Analysis		Other	(Provide Descript	tion Below)
VEV	record one to	Burnol 12					-	tuly 3	ris 2 keyster	is the
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(PRINT)	AUTHORIZED AGE	NTS NAME	WW.		ATE cidaew	M gradinas ·		SIGNATURE	Promise includes	88 W. *
in abos 32	ma venusea			TRANSP	PORTE	ER .	1	-6	- b	Masert visit
Transporter's Name	HELD SU	envices	5 Inc		Driver's	Name	In luni	o de	Lesse 6	totaW =
Address	IN SERVICE IN	May To *			Phone N	LODINOKE &		हत्त्वहार हुन्।	1 bas = 1/5 W 810	naka -
Binbines incent	Sidle in side	OF STAFFE			Truck N	TOTAL TOTAL	Luny -	Freder K.	1)-0	Sheep treat
Dhe accomption beauty	atter correct	s slaev		0/17 ps			Chip	- CR	Harried Versell ave	Markey =
Phone No. I hereby certify that the above			ro picked ur	at the Congretor's site I	WHP No		hout incident t	o the disposal	facility listed below	commenced Forms
grants/modes	minageness en	and Dog	e picked up	at the Generator's site i		9-202		b the disposal	racility listed below	oight =
SHIPMENT DATE	367 c 200	DRIVE	R'S SIGNATU	RE		DELIVERY DATE	Ø -	DRI	IVER'S SIGNATURE	HOST
TRUCK	TIME STAME			DISPOSAL	EACI	LITY		DECEIV	ING AREA	O. T.
17 1000	1		0.0		I O TO O				ind Anguage death	No.
IN:/ L	OUT:	and a second					Name/No	PHILLI HA (PU)	rusyani se pada	
Site Name/ solutions of all	umpr EoF was	- Non-E				ac Plant Waste	0			Time Boyams.
		cility / STF		- Martin agibew m	Phone I	HIRDING GOOD	32-448-423	9 et dente per	sales Inerdicus	STREET, STREET,
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Compa	ny Man Contact II	ntormatio	n
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3PT TEXAS NON-HAZARDOUS OIL FIELD WASTE MANII	FESTS				NICHOUS PRINTING, INC 575-885-3313		



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information
Name

Phone No. / Salar

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Operator No.			0	Permit/RRC No.	UHISZ TOLETON	OB OR WIERW	KB .	37554	Least,
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ENVIRONMENTAL SOLUTIONS	

(PLEASE PRINT) *REQUIRED INFORMATION*

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	y that the above named ma		ere picked up	p at the Generator's site		e and delivered v	vitnout incident to	o the disposal lac	authus reperby	His a
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Site Name/	Red Bluff F	coility / CT	E OGE		Dhone	as Plant Wassa	132-448-423	20	S	Tank Boltom
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3PT TEXAS NON-	-HAZARDOUS OILFIELD WASTE	White - ORIO	SINAL	Blue - TRANS	SPORTER	Yello	w - GENERATO		ICHOLS PRINTING,	300
	11.1015								1-1	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST (** 1200) 100 (100)

R360

(DI EACE BOILD

(PLEASE PRINT) **REQUIRED INFORMATION******

Company	Man Contact	Information
Name	Kela	+14+
invitantnos e	SH YE SE SA	

	GENERATOR	Address: City: State: 2tb - Bislass; address for the
Operator No.	Permit/RRC No.	RB 372124
Operators Nome	Lease/Well	THE SOLD WAR WELL
Operators Name Address	Name & No.	County - Commence the county of the first to a see with in
	3	5 - O/ Company of the company
City, State, Zip		In the Martin of Mary and Sold to a most gift
Phone No.	THE THE PORT OF THE PROPERTY O	MHI 4360 4910 DON CONCERN
O"Book Made	med solveliers bitter set mitte	- Origination of seath - Check thought and to a free treather
	NON-INJECTABLE WATERS Washout Water (Non-Injectable	OTHER EXEMPT WASTES (type and generation process of the waste)
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	Drilling - Wasta generabrowshis-disand 100 wu
Water Based Cuttings Produced Formation Solido	Produced Water (Non-Injectable)	Production - We start the Mark the second the
Tank Bottoms	Gathering Line Water/Waste (Non-Injectable)	Commornial Fed hittery - Waste mail or on salar
	INTERNAL USE ONLY	Transport Wising Solving Solvi
	Truck Washout (exempt waste)	
WASTE GENERATION PROCESS: DRILLING		
	NON-EXEMPT E&P Waste/Service Identification and Ar st be analysed and be below threshold limits for toxicity (TCL	P), Ignitability, Corrosivity and Reactivity.
Non-Exempt Other	*please selec	t from Non-Exempt Waste List on back
QUANTITY 76	3-BARRELS Steam on political levels	Y-YARDS E-EACH
classified and packaged, and is in proper condition for train	nsportation according to applicable regulation.	plicable state law. That each waste has been properly described,
RCRA EXEMPT: Oil field wastes ge certifications on a	enerated from oil and gas exploration and production operation per load basis only)	n and are not mixed with non-exempt waste (R360 Accepts
RCRA NON-EXEMPT: Oil field waste whi	ich is non-hazardous that does not exceed the minimum stan	dards for waste hazardous by characteristics established in RCRA
	FR 261.21-261.24, or listed hazardous waste as defined by 41 emonstrating the waste as non-hazardous is attached. (Check	
MCDC Information	Contemi med Soil	INC. THE CONTRACT OF THE CONTR
release (1975) 1 Adeapto 181 Shi 213 Dussan Sun Analad St	T RORA Hazardous Waste Allaly	Other (Frovide Description Below)
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TITAL THE SHADOW - THE (PRINT), AUTHORIZED AGENTS NAME, 9 WWW		SIGNATURE CONTROL OF C
Transporter's Course Notice to the Course of	TRANSPORTER	/ / A pulliament-milly i
Name - Alasm num assis responsibility of the polymers and	Driver's Name	Michaelagy
Address	Phone No.	55 300 92641
on the man think to the state of the state o	Truck No.	1-44 Super Dum
Phone No.	See WHP No. Road -	Offshore water besend collings
I hereby certify that the above named material(s) was/wer	e picked up at the Generator's site listed above and delivered	without incident to the disposal facility listed below.
Entra on a contract of the first	R'S SIGNATURE DELIVERY DATE	DRIVER'S SIGNATURE
TRUCK TIME STAMP		
2617	DISPOSAL FACILITY	RECEIVING AREA
IN: 39 1/3 - OUT:	equipment in a strainer taken	Name/No.
Site Name/ Permit No. Red Bluff Facility / STF-		432-448-4239
Address 5053 US Hwy 285, Orla,	TX 79770 MALHOUR SOUTH OF THE BUSINESS TOOL IS	premior a service carrier of gravetic prim
NORM READINGS TAKEN? (Circle C	One) YES NO If YES, was reading >	50 micro roentgents? (Circle One) Yes No
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Thereby certify that the above load material has been (circ	de one): ACCEPTED DENIED IT	denied, why?
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NAME (PRINT)		DIGHTERE
(1000)	The DATE was a specific acquirement for a TITLE	SIGNATURE Version 1
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Book	TEXAS NON-HAZARDOUS OILFIELD WA
R360	(PLEASE PRINT) SMIGHT

Company	Man Cor	ntact Infor	mation
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Name	101	11	1217
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SOLUTIONS	Reforming repair entirely management	omus arti to sense are son Phone No. 10 a superior
200	GENERATOR	Address, City, State, 2p - Presidents, adultuse for the Control of
Operator No.	Permit/RRC No.	c eril energy reds RB and 3 and 2 1 a 2 8 art
Operators Name	Lease/Well Name & No. 1851	ral Sonyon 10-7
Address	name & No. 5 G	Cough - Prayide to count a wir of the waste to
	angle & API No. Heart See 3	LENO 1955 ONE ON THE ON THE
City, State, Zip	Oroses Blow One of Rig Name & No.	no home of the second of the s
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	empletion Fluid/Flow Back (Non-Injectable)	NO 017 NA DE CURRE DISEAS CROSTOS PROBLEMS
Produced Formation Solids - Partial table and promise	oduced Water (Non-Injectable)	Jubs to the prince personal resource - personal Prince
Talik Bollomo	athering Line Water/Waste (Non-Injectable)TERNAL USE ONLY	(Elsewer and grant as the services of
The second secon	uck Washout (exempt waste)	ingan ne Parigo sensiniw gaziyo -ilanishi edi.
WASTE GENERATION PROCESS: DRILLING	COMPLETION PRODUCTION	GATHERING LINES
Dittering Division of the Control of		
All non-exempt E&P waste must	NON-EXEMPT E&P Waste/Service Identification and Amour be analysed and be below threshold limits for toxicity (TCLP), I	nt gnitability, Corrosivity and Reactivity.
Non-Exempt Other	270 1910 11 ALPH STATE PORT OF THE TOTAL PROPERTY OF THE TOT	m Non-Exempt Waste List on back
QUANTITY 7 B-1	SARRELS SHERW SOUTHING SHORE SHERWAY	Y-YARDS) — E-EACH
	hazardous waste as defined by 40 CFR Part 261 or any applica	
classified and packaged, and is in proper condition for trans		admid tones colors was as been properly described,
RCRA EXEMPT: Oil field wastes gen	erated from oil and gas exploration and production operation an	d are not mixed with non-exempt waste (R360 Accepts
certifications on a p	er load basis only) i is non-hazardous that does not exceed the minimum standard	lo fermanta harrada a
TRONG NON-EXCENT 1. On field waste which	261.21-261.24, or listed hazardous waste as defined by 40 CF	R, part 261, subpart D, as amended. The following
documentation dem	onstrating the waste as non-hazardous is attached. (Check the	appropriate items as provided)
MSDS Information	RCRA Hazardous Waste Analysis	Other (Provide Description Below)
And the following the control of the	ional Van Computer	30 00 Com Com (10 - 12 12 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14
Benjadderensenra (PRINT) AUTHORIZED AGENTS NAME	- Rightson DATE STATE - Confirm Country Countr	SIGNATURE WATER TO DESCRIPTION A
) /	TRANSPORTER	- Official University Community
Transporter's	Complete the compl	11 1 Mindestination
Name	Driver's Name	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
Address	Phone No.	-15 300 726 H
Disco No.	Truck No.	-47 SuperDum
Phone No.	when No.	Conference Statement Statement of the st
Wildling of the above hamed materials) was were p	picked up at the Generator's site listed above and delivered with	nout incident to the disposal facility listed below.
SHIPMENT DATE DRIVER'S	SIGNATURE DELIVERY DATE	DRIVER'S SIGNATURE
TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: // UOIM OUT:	And Discovery of this Incovers	Name/No.
fortered in the first the designed proper o	e o an i umantispi mon vesauvi umagire i	Name/No.
Site Name/ Permit No. Red Bluff Facility / STF-0	65 Phone No. 43	2-448-4239
Address 5053 US Hwy 285, Orla, T		me to the paper provides to exceed the
NORM READINGS TAKEN? (Circle On		nicro roentgents? (Circle One) Yes No
Be a secured that a supplied a	NORM (mR/hr)	and the stimulation of the same
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I hereby certify that the above load material has been (circle	one): ACCEPTED DENIED If deni	ed, why?
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NAME (PRINT)	DATE de bar a la company de TITLE	SIGNATURE
White - ORIGINAL	Blue - TRANSPORTER Yellow -	Version 308.R360-5160

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST OF THE PROPERTY OF

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SOLUTIONS	

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(PLEASE PRINT) AND REQUIRED INFORMATION TO THE

Company Man Contact	Information
Name Kent	KITZ
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ENVIRONMENTAL	regular.	y term which the wast- on	on the same of the confirm	Phone No.
****	GENER	ATOR	- Business (Lorens for the	Address, City, State Zin
Operator No.	Denas	ermit/RRC No.	под ий этыны гий Ко Б ог	371491
Operators Name	the state of the same of the state of the st	ease/Well lame & No.	Tel sany	No grand War and
Address	IV.	county	nty of value in the way of	County Playde for cou
7/0	The same of the sa	PI No. 16 300	-015-5	3199 01194
City, State, Zip		lig Name & No.	1870051	OO Lot & small pill
Phone No.	A the Fundhase CoastiPut and be.	FE/PO No.	CM1486	DAM ONE
Oil Based Muds	NON-INJECTABLE WATERS	na igot nice - en meter	OTHER EXEMPT WAS	STES (type and generation process of the w
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Water Based Muds Water Based Cuttings	Completion Fluid/Flow Back (Non-Injury	ectable)		Initial Completion - Way
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E&P Contaminated Soil	NTERNAL USE ONLY	THE PERSONNEL PROPERTY.	DUILIBLE CO. TOTAL MANUAL	Commercial Facilities
	Truck Washout (exempt waste)	Fights 18th normal Man	AT ISSUED OF THE WAR HOLD SE	hadvered Mener, III
WASTE GENERATION PROCESS: DRILLING	COMPLETION	PRODUCTIO	ON GATHE	RING LINES
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All non-exempt E&P waste mu Non-Exempt Other	st be analysed and be below thresho	CHARLES AND ADDRESS OF THE PARTY OF THE PART	THE RESIDENCE OF STREET OF STREET, STR	and the second s
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	B-BARRELS	afasaw achigo i Latinavio c	To sime 1 izel by Y-YARD	
certifications on a Oil field waste wh regulations, 40 Cl	nsportation according to applicable re enerated from oil and gas exploration per load basis only) ich is non-hazardous that does not ex FR 261.21-261.24, or listed hazardou monstrating the waste as non-hazard	egulation. and production operation acceed the minimum stand is waste as defined by 40	and are not mixed with nor ards for waste hazardous by CFR, part 261, subpart D, a he appropriate items as pro	n-exempt waste (R360 Accepts y characteristics established in RC as amended. The following
(PRINT) AUTHORIZED AGENTS NAME	TRANSP	SIE CHACO DITE DO	SIGNATU	contract description of the contract description of the contract of the contra
Transporter's Name Address	erlices man	Driver's Name Phone No.	Michael 515 300	192647
hisa jali pizmito kalling		Truck No.	-44 5	upo for p
Phone No. I hereby certify that the above named material(s) was/wer	a nicked up at the Congretor's cita lis	WHP No.	without incident to the diana	and facility listed below
	ploked up at the deficiator's site is	Depoison of S	7	Sal facility listed below.
SHIPMENT DATE 7250 TQT0-2000 DRIVE	R'S SIGNATURE	DECIVERY DATE	ारी	DRIVER'S SIGNATURE
TRUCK TIME STAMP	DISPOSAL	FACILITY	RECI	EIVING AREA
IN: 31837 OUT: 617461500		Fundament pace !	Name/No.	of the training of the state of
Site Name/ Permit No. Address Red Bluff Facility / STF- 5053 US Hwy 285, Orla,			432-448-4239	emailiaren.
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ting lin Attranguages to Industrial strategy	Inches Inches	TTOMS	The second of th	e e ne lum uniclium unic nigna ivi unice du ci
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NAME (PRINT)	DATE	TITLE		SIGNATURE
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White - ORIGIN	IAL Blue - TRANSPO	ORTER Yello	w - GENERATOR	308.R360 NICHOLS PRINTING, INC. • 575-888

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E	NVIRONMEN		

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information

SOLUTIONS			2011	High the Maste ongin	ne company min	de the name of t	ione ivo.	STATE OF THE PARTY
			GENEI	RATOR	ess for the range	the samuel - o	37561	Out-
Operator No.			De	Permit/RRC No.	numssibu oenium	KD	OLOGI	U
Operators Name				Lease/Well Name & No.	ov ral a	nyon 16	on a forest Half a	es (7)
Address		k number	the state of the s	County	waste was general	ant rivide to you	lea ent abvor4 - yt	Count
		19		API No.	100 (53	1991 nsoner	n Provide the Am	W.19A
City, State, Zip	BOREST VEW DITE RIG Name & No. DITECTION OF THE CONTROL OF THE CON							M gWi
Phone No.		ter	e Punchiaso Orden (PO) nom	AFE/PO No.	FOND	486	04907	AFFA
Oil Based Muds		MONLIN	NJECTABLE WATERS	and the same	TOTHER	EVENDT MACTE	C the second second	a military plant
Oil Based Cuttings		-	ut Water (Non-Injectable				S (type and generation)	
Water Based Muds Water Based Cutting		Comple	etion Fluid/Flow Back (Non-I	njectable)			Completion - We	
Produced Formation			ed Water (Non-Injectable) ng Line Water/Waste (Non-I	niectable)	production Moon to	ented during the		Produ
Tank Bottoms E&P Contaminated S	coefee atations, atc.)		NAL USE ONLY	Tijectable)	reraled a commen	Proc.		
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WASTE GENERATION	ON PROCESS:	ORILLING	COMPLETION	PRODU	JCTION	GATHERIN	NG LINES	e-Hittl
		NO	ON-EXEMPT E&P Waste/Se	ervice Identification and	d Amount	ON THE WASSELLAND	r baleformus ad ar-	Transporter.
Non-Europe Other	All non-exempt E&P	waste must be a	nalysed and be below thresh	- WINDOWS BUILDING	ALL REAL PROPERTY AND ADDRESS OF THE PARTY O	TOTAL PROPERTY.	With the William R. College of the C	Total
Non-Exempt Other				*please s	select from Non-Ex	empt Waste List	t on back	nbb#
QUANTITY		B-BARF	RELS	hading the waste	review of the driver	Y-YARDS	E-EAC	CHAC
I hereby certify that the	e above listed material(s),	is (are) not haza	rdous waste as defined by 4	0 CFR Part 261 or an	y applicable state I	aw. That each wa	ste has been prope	erly described,
RCRA EXEMP			tion according to applicable d from oil and gas exploration					
KOKA EXCIVIF		ions on a per loa		and production oper	ration and are not i	nixea with non-ex	tempt waste (R360	Accepts
RCRA NON-E			on-hazardous that does not 21-261.24, or listed hazardo					
Town Konson	docume		ating the waste as non-haza					wing
Anshold Bassess of Color Principles	Medel	nformation	RCR/	A Hazardous Waste A	nalysis	Other	r (Provide Descripti	on Below)
	yndonas fine y micolin y.	3 dilimatings		10101/	IGO dasW	ebill grill	in G board in G anon	230-
mini catalination (P	RINT) AUTHORIZED AGENTS NA	ME sas was a		Coping issue bleat	0	SIGNATURE	SU	Oil Based Cultin
HIIII CHE SIGNIE	KINT AUTHORIZED AGENTO NA	NVIC			80	SIGNATURE	Stamps and age	を成する
Transporter's	rused frequency fluids or a	U = .	TRANSF	ORIER	1	1		Water Based M
Name and a particular and a state of the particular and a state of the	Self 19 COLD TISSES	evvice	s inc	Driver's Name	Many		er Based Selligorial	BIBW -
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jed chemicals, and	llina striavina trapa setas	W -		Truck No. 1009	. 001	20	r Based Dill cultin	• Water
Phone No.	asios electronical materials	Woodynara piaka	on emos	WHP No.	. The arms the second second second	egnav.	tore water Bassd c	Produced Porm
griffishio	above named material(s)	was/were picke	d up at the Generator's site	listed above and delive	erea without incide	nt to the disposal		MUCCIA W
SHIPMENT DAT	e) slaw igmexe-no	DRIVER'S SIGN	ATURE	DELIVERY DA	ATE 1911/ED		IVER'S SIGNATURE	MOSQ .
1 Managor IRL	JCK TIME STAMP	io I	DISPOSAL	FACILITY		RECEIV	ING AREA	Prod
IN: 1-791	OUT: STORIES		nsponalion	equipment prior to be	Name/No	om produced wa	studies removed fo	enco of
Site Name/ In Journal	a communicación de la composição de la c	M =	gathanng linus	Pigging wastes non-	trong and		industrial A	I anic Bottoms
Permit No.	Red Bluff Facility		n wastes, including	Phone No. 19 250	432-448-4	239	sediment water,	Paris Designies
Address	5053 US Hwy 285	, Orla, TX 7	9770 ys. anatili loowin. abm	giyeoEttesed.compgu				mort
No. and ash	ORM READINGS TAKEN	? (Circle One)	YES NO TO THE I	If YES, was reading	ng > 50 micro roent	gents? (Circle On	e) Yes	No
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bus ka nebachere	ranso Lation spill of post,	T ·	TANK BO	OTTOMS			mulaled malerials.	
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hereby certify that the	above load material has l	been (circle one)	: (ACCEPTED	DENIED	If denied, why?	ым варабрюванно	The Comment of the second	441
1/600	100 711	200	The state of the s	OT SETTING BUDIEST ACT	101	therwise dispose	to do beloginierii e	lofeti :
Alle	NAME (PRINT)	130-	DATEDS DISTRICTOR	hualde mar a stitle	- 1	might No affolia	SIGNATURE	000
			re non-exempt wastes	retrieval, except for the	and	many field operal	на спида обътеят ил	
POT TEVAS NON UN TABOO	White	- ORIGINAL	Blue - TRANSF	PORTER	Yellow - GENERA	TOR		308.R360-5160

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST (AII) NO 10/10/10/10/10/10

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information Phone No.

		GENER	ATOR	s-aditress for fire	RB 375611
Operator No.		F	Permit/RRC No.	garanah atu atanw 16	KD 3/3011
			ease/Well Ca	orral Car	iyon 16 9 state t co
Operators Name Address	mbs.	To Mill I was a second to the I wall a later	lame & No	mo and stasw ent in	County - Provide the county at whith
Address	10	1015319	API No Provide the American I P.		
City, State, Zip	1/		Rig Name & No.	18700	5160 Paris & Wo - Por O
Phone No.			Control of the Contro	FCNH	486049020938
					management and adherent to the free for the
Oil Based Muds	NO.	N-INJECTABLE WATERS		OTHER EXEM	MPT WASTES (type and generation process of the wast
Oil Based Cuttings Water Based Muds		shout Water (Non-Injectable		ling the well	Orilling - Waste generated write citi
Water Based Cuttings	The state of the s	mpletion Fluid/Flow Back (Non-Inj	ectable)	action the original cos	
Produced Formation Solids		oduced Water (Non-Injectable) thering Line Water/Waste (Non-In	iectable)	of the production iiid	Production - Waste generated duning
Tank Bottoms E&P Contaminated Soil	Linda annulata salasani - annul	TERNAL USE ONLY		regalerated a	Commercial Facilities Wasterline
Gas Plant Waste	Tru	ick Washout (exempt waste)	Distriction in a source of a	n red Highen A det	In France Waste which is spilled w
WASTE GENERATION PR	ROCESS: DRILLING	COMPLETION	PRODUCT	ION	GATHERING LINES
A	All non-exempt E&P waste must t	NON-EXEMPT E&P Waste/Ser be analysed and be below thresho			sivity and Reactivity.
Non-Exempt Other			*please sele	ct from Non-Exempt	Waste List on back
QUANTITY	B-B	BARRELS	wer haufing the waste	the of the dr	Y-YARDS Award sin E-EACH III
I hereby certify that the above classified and packaged, and RCRA EXEMPT:	d is in proper condition for transp	portation according to applicable re	egulation.		hat each waste has been properly described,
RORA EXEMPT:	certifications on a pe		and production operation	on and are not mixed	with non-exempt waste (R360 Accepts
RCRA NON-EXEMP	T: Oil field waste which regulations, 40 CFR	is non-hazardous that does not e	us waste as defined by 4	0 CFR, part 261, sub	ardous by characteristics established in RCR ppart D, as amended. The following as provided)
itust de analyzed tot and Soxicity (TCLP Metats) Hvity	MSDS Information		Hazardous Waste Analy	0.488	Other (Provide Description Below)
mini satsinalasas (PRINT) A	AUTHORIZED AGENTS NAME	DA'	Rigwash Cooling tower-blocate		SIGNATURE SONIES ON BASEAU ON A CHRISTON
Transporter's abius 10 ab	o UmissafifissimU •	TRANSP	ORTER	00	Her Based Mud.
Name Name Office S	talbo Dervice	s inc mag	Driver's Name	Manuel	Water Bases Origing Tords
Address	Biologies organization		Phone No.	about .	The Based Cultings
s. sniger, chemicals, and	maulne inega, serasw		Truck No. outbang	001	Water-Based Drill cultions
Phone No.	waste abids	tion Fluids	WHP No.18/1082		Ottshore Water Based cuttings
hereby certify that the abov	e named material(s) was/were p	icked up at the Generator's site li	sted above and delivere	d without incident to	the disposal facility listed below.
SHIPMENT DATE	STERW TOTTON DRIVER'S	SIGNATURE	DELIVERY DATE	iantico - C	DRIVER'S SIGNATURE
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Site Name/Management name Permit No. Rec	Bluff Facility / STF-06	65	Phone No. 19 per 1	432-448-4239	enotioden sime demine see P
	3 US Hwy 285, Orla, T	V 70770	das pirem surporano givedibased compo		figure stands recipied agency men
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post-prediction in and	Transportation split oil	TANK BO	OTTOMS	rocardons	Accomplated materials such as hydrolemasty.
F	Feet	Inches negotoya erra legnod	amine studge, iron s	halfauba	solids, sends, and emulsion from pr
Ist Guage		edia and hadwadh	m redii saerel roogs . E	BS&W Received	BS&W (%)
hereby certify that the above	re load material has been (circle	one): ACCEPTED /	DENIED	f denied, why?	epubniu mosybs vernytyjna gypty
ha	trace	1 / 20/75	Study (control to the terms		rich heavens state and state of the state of
NAME ((PRINT)	DATE GRODE 200 BOST			er lieu ne de designature la nellouberg
THE PLANE		Itia don exempt wastes.	refrieval axecust for		Versie croce oil from primary tight of
	White - ORIGINAL	Blue - TRANSPO	ORTER Ye	llow - GENERATOR	308.R360-5
PT TEXAS NON-HAZARDOUS OILE	FIELD WASTE MANIFESTS				NICHOLS PRINTING, INC. • 575-885-3



(PLEASE PRINT) *REQUIRED INFORMATION*

ompany	Man	Contact	Information
	L	Car	The same of

M	am	0
-17	alli	U.

Phone No.

			GENERATOR	DD	275540
Operator No.		,	Permit/RRC No.	OZALKB	375549
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City, State, Zip			eman flow bits Rig Name & No. bits Cod	3100/3017 0 to STENOT	Rig Name & No Provide
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Oil Based Muds		NON-INJECTAL	RI E WATERS	OTHER EXEMPT WAS	TES (type and generation process of the waste)
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WASTE GENERATI	ON PROCESS: DRILL		COMPLETION PRODUCTI	ION GATHER	RING LINES
		NON-EXE	MPT E&P Waste/Service Identification and An	dia waste name na standar	Transporter - To be completed by
	All non-exempt E&P waste	must be analysed	and be below threshold limits for toxicity (TCL)	P), Ignitability, Corrosivity and	I Reactivity.
Non-Exempt Other			*please selec	ct from Non-Exempt Waste L	ist on back
QUANTITY	5.00	B-BARRELS	area limiting the wester	to and to amend the by-YARD	S — E-EACH
	o obovo listed material/s) is /s-		coto co defined by 40 CFD De 4 CC4 Versions		
classified and package	ed, and is in proper condition for	r transportation acco	aste as defined by 40 CFR Part 261 or any apording to applicable regulation.	plicable state law. That each	waste has been properly described,
RCRA EXEMP			il and gas exploration and production operatio		
	certifications of	on a per load basis		The sale that this was that their	champt made (1.000 1.000pto
RCRA NON-E		which is non-hazar	rdous that does not exceed the minimum stand	dards for waste hazardous by	characteristics established in RCRA
	regulations, 4	0 CFR 261.21-261.2	24, or listed hazardous waste as defined by 40 waste as non-hazardous is attached. (Check	O CFR, part 261, subpart D, as	s amended. The following
	e emitt die des e wa ste must be	DOD BA	JUL DRIBATION	1929	DOM DESERVICE
	MSDS Information	ation	RCRA Hazardous Waste Analys	sis Uti	ner (Provide Description Below)
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- I and a sign of the sign of	DINT) ALITHODIZED ACENTS NAME	Stranger Company	DATE and record and are Street	CICNATUE	Oll Basen Cultings
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(PLEASE PRINT) *REQUIRED INFORMATION*

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Operators Name	119	Ide the Field game and Block	Name & No.	av at which the waste was agr	unty - Provide the cour	in U
Address		ationic	County	WARD SHEET	/QQ-Payade - plf l	9A
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WASTE GENERATION P	PROCESS: DRILLING	G COMPLETION	PRODUCTI	ON GATHER	ING LINES	107
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Site Name/hahogenad of all	+ Non-Exempt E&P wast			Gas A	-	Tank Bortoms
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TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST OF THE PROPERTY OF

(PLEASE PRINT) THE PREQUIRED INFORMATION THE

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Operator No.				Permit/R	ABRICAGUA STATE	oer where the gonera	IKBING	71562	
Operators Name			ore, provide the DCS no	Lease/W Name &	or continue laution	sel of to omen off	Sello - Povide	Lease/ Well Name	1801
Address		- Tolemul	Field name and alog		nerated in 11 of	on the waste was ger	e.coupty af-whit	County - Provide tin	
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impl E&P Waste	regulati	ions, 40 CFR	261.21-261.24, or liste	d hazardous waste	as defined by	40 CFR, part 261, su	bpart D, as am	nended. The following	g
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(PLEASE PRINT) **REQUIRED INFORMATION****

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	All non-exempt E&P waste m	ust be analysed and be below thres	service Identification and Amount shold limits for toxicity (TCLP),	unt Ignitability, Corrosivity and Reactivity.
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RCRA NON-E		a per load basis only)	t exceed the minimum standa	rds for waste hazardous by characteristics established in RCR
Vaste «	7 9 23 James Tegulations, 40 C	FR 261.21-261.24, or listed hazard	lous waste as defined by 40 C	CFR, part 261, subpart D, as amended. The following
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ny (TCLP Melals).	MSDS Information	n RCF	A Hazardous Waste Analysis	Other (Provide Description Below)
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TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST MANI

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(PLEASE PRINT) REQUIRED INFORMATIONS IN

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classified and packaged, and is in proper condition for tran	sportation according to applicable regulation.	pplicable state law. That each waste has been properly described,
RCRA EXEMPT: Oil field wastes ge	nerated from oil and gas exploration and production operat	on and are not mixed with non-exempt waste (R360 Accepts
	per load basis only) ch is non-hazardous that does not exceed the minimum sta	ndards for waste hazardous by characteristics established in RCRA
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TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST OF TOTAL PROPERTY OF THE PROPERTY

(PLEASE PRINT) *REQUIRED INFORMATION****

Compa	any Man	Contact	Informa	tion
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Dhono				1

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	angia API No		015-531991	SA
City, State, Zip		me & No. 15 10 Con 1916	37005/001	Rig
Phone No.	9/37A the Purchase Order (PO) number	O No.37A) STORE ON O	O = 48 60 440	2
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QUANTITY 7	B-BARRELS SUBSIN	name of the driver hauling the	Y-YARDS E-EAC	CHI
I hereby certify that the above listed material(s), is	(are) not hazardous waste as defined by 40 CFR	Part 261 or any applicable stat	e law. That each waste has been prope	erly described,
classified and packaged, and is in proper condition	for transportation according to applicable regulat	Number associated with the noi	IK Wa List the Waste Hauter's Remit	HW
	astes generated from oil and gas exploration and pastes on a per load basis only)	production operation and are no	ot mixed with non-exempt waste (R360	Accepts
RCRA NON-EXEMPT: Oil field w	aste which is non-hazardous that does not exceed	the minimum standards for wa	ste hazardous by characteristics estab	lished in RCRA
stasW 933 kgm9 x3 regulation	s, 40 CFR 261.21-261.24, or listed hazardous was	ste as defined by 40 CFR, part	261, subpart D, as amended. The follow	wing
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Phone No. I hereby certify that the above named material(s) v		P No.	dent to the disposal facility listed below	Produced For
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Site Name/ Permit No. Red Bluff Facility	STF-065	one No. 432-448	-4239	Tunk Bottom
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4	cept in the non-awar of wastes.		este crude oil from primary ficial operati	
White -	ORIGINAL Blue - TRANSPORTEI	R Yellow - GENER	RATOR	308.R360-5160

(PLEASE PRINT) ** REQUIRED INFORMATION**

Company Man Contact Information	7
Name KENT	
Phone No. 12 C. 2	

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Operator No.	· · ·		Permit/RRC No.	nog ett einnw tå R iB nor	377526
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City, State, Zip Phone No.		and well name: Funds so Order PO, reinher	Rig Name & No.		2000 à annski gili
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Produced Formation Solids Tank Bottoms		athering Line Water/Waste (Non-	Injectable)	miniorable out or over after	Productor in Tackings of
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Non-Exempt Other			*please select fi	rom Non-Exempt Waste Lis	t on back
QUANTITY	- B	BARRELS	alesware policies assign	Y-YARDS	of the control of E-EACH IN
I hereby certify that the above listed mate classified and packaged, and is in proper	erial(s), is (are) no	hazardous waste as defined by			
		nerated from oil and gas exploration		and are not mixed with non-ex	
	ertifications on a	per load basis only)	Wasta Cat		
wempt ber Waste	egulations, 40 CF	th is non-hazardous that does not R 261.21-261.24, or listed hazardon nonstrating the waste as non-haza	ous waste as defined by 40 C	FR, part 261, subpart D, as a	haracteristics established in RCRA amended. The following
THE NEW DISCUSSION SHOW SHOW SHEET SHEET	MSDS Information		A Hazardous Waste Analysis		r (Provide Description Below)
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(FRINT) AUTHORIZED AC	ENTS NAME		PORTER	SIGNATURE	PART OF THE PROPERTY OF
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Phone No.	DE 41 38 N	T Rock	Truck No. approved a	1-419 JUN	o based notally and all of
I hereby certify that the above named ma	terial(s) was/were	picked up at the Generator's site		thout incident to the disposal	facility listed below.
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hereby certify that the above load mater	ial has been (circl	e one): ACCEPTED	DENIED If de	nied, why?	Aroneca i ve
/h Steph		317-25	1100 R F	12	Transing / Your
NAME (PRINT)		DATE DE LA SENT	Investigation of TITLE	Bus partio work	SIGNATURE
1 - Will 1997 - 1	White ODICIN	A STREET TRANSF		- Apidosed biell visin	Version 1 308.R360-5160
3PT TEXAS NON-HAZARDOUS OILFIELD WASTE N	White - ORIGIN	AL Blue - TRANSF	-OKTER Yellow	- GENERATOR	NICHOLS PRINTING INC • 575-885-3313

TEXAS NON-HAZARDOUS OILFIELD WASTE-MANIFEST-ACID-IOLS SAPER A

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(PLEASE PRINT) REQUIRED INFORMATION REPORTED

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City, State, Zip	1/	l name	Rig Name	-/1/	Rig Name SNo I'M de la half the dollar
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QUANTITY 20	B-	BARRELS	ntern o	it policed technologic	to empa 1281 of Y-YARDS word email E-EACH
I hereby certify that the above listed matericlassified and packaged, and is in proper of	al(s), is (are) not	hazardous waste as del	ined by 40 CFR Pa		cable state law. That each waste has been properly describe
		Control of the second	DESTRUCTOR STRUCTURE		and are not mixed with non-exempt waste (R360 Accepts
ce	rtifications on a p	er load basis only)	acte Catena	W	
					rds for waste hazardous by characteristics established in RC ER, part 261, subpart D, as amended. The following
					e appropriate items as provided)
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AT SONIDAR I MANON I senul nei libuts sunges and asir		YES NO		6, was reading > 50 I (mR/hr)	micro roentgents? (Circle One) Yes No
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3PT TEXAS NON-HAZARDOUS OILFIELD WASTE MA		biue -	TRANSFORTER	TellOW	NICHOLS PRINTING, INC. • 575-88

(PLEASE PRINT) 9711 * REQUIRED INFORMATION*

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I hereby certify that th	e above listed mater	rial(s), is (are) r	ot hazardous waste as defined	by 40 CFR Pa	rt 261 or any applic	cable state law. That e	ach waste has been prope	erly described,
1			insportation according to applica	TO THE PARTY			IF No - Liet the Waste Na	197
RCRA EXEMP			enerated from oil and gas explo a per load basis only)	oration and pro	duction operation a	and are not mixed with	non-exempt waste (R360	Accepts
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ola aki = 200 vtia	No. Chapter on M	ISDS Informatio	n R	CRA Hazardo	us Waste Analysis		Other (Provide Description	on Below)
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Permit No.	Red Bluff Fa			Phone	No. 4	32-448-4239	tons claw that est are	
Address	5053 US Hwy	y 285, Orla	, TX 79770	ised coulon 14				
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(PLEASE PRINT) PROPERTY REQUIRED INFORMATION

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QUANTITY 7	B-BA	RRELS	are dever reading the waster	He composited by Y-YARDS	MAR STEELEACH
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		ated from oil and gas explorati	ion and production operation a	and are not mixed with non-e	exempt waste (R360 Accepts
	ertifications on a per il field waste which is		t exceed the minimum standa	rds for waste hazardous by	characteristics established in RCRA
arexamin E&P Waste	gulations, 40 CFR 2	61.21-261.24, or listed hazard	lous waste as defined by 40 C	CFR, part 261, subpart D, as	amended. The following
do	ocumentation demor	nstrating the waste as non-haz	was percentaged to 1912		ded)
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Phone No.		AND THE	WHP No.	30=0=0	- Ottstrope Victor Passe
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Permit No. Red Bluff Fa	cility / STF-06	5	Phone No. 4	32-448-4239	T DE EUR
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(PLEASE PRINT) PART * REQUIRED INFORMATION*

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and the second project of the	GENE	RATOR TO TOTAL STATE OF	DD 271.402
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Operators Name		Name & No.	average and the law second of approximation
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Tank Bottoms E&P Contaminated Soil	INTERNAL USE ONLY	201 SUMMER WARRING A	Commercial Faculties - Wasten Commercial
Gas Plant Waste	Truck Washout (exempt waste)	умания при эти по ном	no reith a copyling a propriet was a polytoper of the report of the result of the resu
WASTE GENERATION PROCESS: DR	RILLING COMPLETION	PRODUCTION	GATHERING LINES
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QUANTITY 7	B-BARRELS	Vie driver hautini. Ilia waste	a eman last by Y-YARDS - amst E-EACH
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			nd are not mixed with non-exempt waste (R360 Accepts
	ns on a per load basis only)	Waste Co	de ferminate hamadous his above tradition antablished in DCDA
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	ation demonstrating the waste as non-haza		
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(PLEASE PRINT) *REQUIRED INFORMATION*

Page 56 of 261
Company Man Contact Information Phone No.

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RCRA NON-E		ertifications on a			1 signW	atandard	a for wests horordous by al	harastariatios established in DCDA
- RORA NON-E	sW 9,63 tometre	gulations, 40 C	FR 261.21-26	1.24, or listed hazardous	waste as defined t	by 40 CF	R, part 261, subpart D, as a	haracteristics established in RCRA amended. The following
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No.		White - ORIGI	NAL	Blue - TRANSPOR	RTER	Yellow -	GENERATOR	308.R360-516
3PT TEXAS NON-HAZARD	OUS OILFIELD WASTE MA	ANIFESTS						NICHOLS PRINTING, INC. + 575-885-331



(PLEASE PRINT) *REQUIRED INFORMATION*

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Phone N	do		

		GENE	RATOR	DD TO THE PROPERTY OF THE PARTY	378139
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Phone No. I hereby certify that:	the above named material(s) was/we			without incident to the dispo	sal facility listed below
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SOLUTIONS

(PLEASE PRINT)

REQUIRED INFORMATION

Compa	ny Man Contact ir	nformation
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REQUIRED INFORMATION

Page 59 of 261
Company Man Contact Information Phone No.

		GENERAT	OR	RB	379411
Operator No.			RRC No.	KD	O TO TAKE
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WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	GATHERIN	NG LINES
		EXEMPT E&P Waste/Service Id	Name and Address of the Party o		
All non-exempt		sed and be below threshold limi			eactivity.
Non-Exempt Other			*please select fro	om Non-Exempt Waste List	t on back
QUANTITY	B-BARRELS	S	We have been the	Y-YARDS	E-EACH
I hereby certify that the above listed materia	al(s), is (are) not hazardou	us waste as defined by 40 CFR	Part 261 or any applica	able state law. That each wa	ste has been properly described,
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		g the waste as non-hazardous is			
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Site Name/					
Permit No. Red Bluff Fac	ility / STF-065		ne No. 43	32-448-4239	
Address 5053 US Hwy	285, Orla, TX 7977	70			1
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3PT TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFESTS

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REQUIRED INFORMATION

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110		GENER		ep en ce	RB 379435
Operator No.			Permit/RRC No ease/Well	TO COL	wal 16-9 Style
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cer	rtifications on a per load ba	asis only)			
reg	field waste which is non-figulations, 40 CFR 261.21- cumentation demonstrating	261.24, or listed hazardo	us waste as defined b	by 40 CFR, part 261, su	ardous by characteristics established in RCRA bpart D, as amended. The following ms as provided)
1 10 11 10 10 10 10 10 10 10 10 10 10 10	SDS Information		Hazardous Waste Ar	War was a second	Other (Provide Description Below)
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	1.5x		Truck No.	BRITT	D-02
Phone No.	-Time		WHP No.	20111	Van de la companya de
I hereby certify that the above named mate	rial(s) was/were picked up	at the Generator's site I		ered without incident to	the disposal facility listed below.
SHIPMENT DATE	DRIVER'S SIGNATU	DE .	DELIVERY D	ATE ATE	DRIVER'S SIGNATURE
				NIC.	RECEIVING AREA
TRUCK TIME STAMP		DISPOSAL	FACILITY		RECEIVING AREA
IN: OUT:				Name/No	
Site Name/ Permit No. Red Bluff Fac	cility / STF-065		Phone No.	432-448-4239	4
	285, Orla, TX 797	70	i none ivo.	402 410 420	TENER TOWNS
Newson .	AKEN? (Circle One) YE	AA.		ng > 50 micro roentgent	s? (Circle One) Yes No
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Feet	Inche	TANK BO	JITOWS		
1st Guage				BS&W Received	BS&W (%)
hereby certify that the above load material NAME (PRINT)	l'has been (circle one):	ACCEPTED	DENIED	If denied, why?	SIGNATURE
	White ODICINAL	Dive TDANOR	OPTED	Vollow GENERATOR	Version 308.R360-5



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



February 14, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

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 BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/14/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 & 03C1558543 Sample Received By: Tamara Oldaker

Project Location: XTO 32.122850, -103.997192

Sample ID: CS 01 0.5' (H250878-01)

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	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTEX	<0.300	0.300	02/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	65.3	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/14/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 & 03C1558543 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO 32.122850, -103.997192

ma/ka

Sample ID: CS 02 0.5' (H250878-02)

RTFY 8021R

B1EX 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	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTEX	<0.300	0.300	02/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (P	ID 100 S	% 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	352	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					
Surrogate: 1-Chlorooctane	112 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						
Č									

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Celeg D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/14/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 & 03C1558543 Sample Received By: Tamara Oldaker

Project Location: XTO 32.122850, -103.997192

Sample ID: CS 03 0.5' (H250878-03)

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	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTEX	<0.300	0.300	02/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	27.4	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/14/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 & 03C1558543 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO 32.122850, -103.997192

Sample ID: CS 04 0.5' (H250878-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTEX	<0.300	0.300	02/13/2025	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	320	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/14/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558555 & 03C1558543 Sample Received By:

Project Location: XTO 32.122850, -103.997192

Sample ID: FS 01 1' (H250878-05)

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	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTEX	<0.300	0.300	02/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	288	16.0	02/14/2025	ND	480	120	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	31.7	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	12.4	10.0	02/13/2025	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

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

Reported: 02/14/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558555 & 03C1558543 Sample Received By:

Project Location: XTO 32.122850, -103.997192

Sample ID: FS 02 2' (H250878-06)

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	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTEX	<0.300	0.300	02/13/2025	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	112	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL

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

(575) 393-2326 FAX (575) 393-2476	AX (575) 393-2476		
Company Name: Ensolum, LLC		BILL TO	ANALTSIS REGOEST
Project Manager: Ben Belill		P.O. #:	
Address: 3122 National Parks Hwy	Y	Company: XTO Energy Inc.	Inc.
city: Carlsbad	State:NM Zip: 88220	Attn: Colton Brown	
Phone #: 989-854-0852	Fax #:	Address: 3104 E. Green St.	St.
Project #: 03C1558555 & 03C1558543	43 Project Owner: XTO	city: Carlsbad	
ame:	Corral Canyon 16-9 Fed Com 121H	State: NM Zip: 88220	
ñ.	9971932	Phone #:	
Sampler Name: Jesse Dorman		1	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	6
Lab I.D. Sample I.D.	(feet) (Feet) (G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX TPH CHLORIDE
105 Joseph	# O	SORVE	11 oto
550	-		025
20 6503		9	030
20	*	2	024
6 459 8	**	*	A A 6118
,			
100			
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affiliates or successors arising out of or related to the performan Refinquished By:	Date: 2 2 Received By:	aim is based upon any or the above stated readult	All Results are emailed. Please provide Email address: Thillard@ensolum.com
	Time X X	e Market	TMorrissey@ensolum.com, ki
Relinquished By:	Date: Received By:	R	REMARKS: Cost Center: Incident ID:
	Time:		1589641001 & 1870051001 nAPP2427451370 & nAPP2425666588
	Sample Col	CHECKED BY:	Rush Rush
Sampler - UPS - Bus - Other:	Ses E		Thermometer ID ***********************************

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



February 20, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

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 accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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 3122 NATIONAL PARKS HWY

Project: CORRAL CANYON 16-9 FED COM 1 Project Number: 03C1558555 & 03C1558543

Reported: 20-Feb-25 17:37

CARLSBAD NM, 88220

Project Manager: BEN BELILL

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS 08 0.5'	H250930-01	Soil	13-Feb-25 10:40	17-Feb-25 12:30
FS 08 1'	H250930-02	Soil	13-Feb-25 13:25	17-Feb-25 12:30
FS 09 1'	H250930-03	Soil	13-Feb-25 13:30	17-Feb-25 12:30
CS 12 0.5'	H250930-04	Soil	13-Feb-25 15:07	17-Feb-25 12:30
CS 13 0.5'	H250930-05	Soil	13-Feb-25 15:10	17-Feb-25 12:30
CS 14 0.5'	H250930-06	Soil	13-Feb-25 15:12	17-Feb-25 12:30
CS 15 0.5'	H250930-07	Soil	13-Feb-25 15:15	17-Feb-25 12:30
CS 16 0.5'	H250930-08	Soil	13-Feb-25 15:17	17-Feb-25 12:30
FS 11 1'	H250930-09	Soil	14-Feb-25 08:37	17-Feb-25 12:30
FS 12 1'	H250930-10	Soil	14-Feb-25 08:40	17-Feb-25 12:30

02/20/25 - Client changed the sample IDs on -04 thru -08 (see COC). This is the revised report and will replace the one sent on 02/18/25.

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

CS 08 0.5' H250930-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compounds b	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021708	JН	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		122 %	71.5	-134	5021708	JH	17-Feb-25	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	110		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			80.3 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			78.9 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Celeg D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

20-Feb-25 17:37

Reported:

Project Manager: BEN BELILL

Fax To:

FS 08 1' H250930-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		119 %	71.5	-134	5021708	ЈН	17-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			93.8 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			90.4 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Celey D. Keine



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

FS 09 1' H250930-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compounds l	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021708	JН	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		126 %	71.5	-134	5021708	ЈН	17-Feb-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	63.9		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			92.5 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			89.8 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

CS 12 0.5' H250930-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	368		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5	-134	5021736	JH	17-Feb-25	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	296		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			87.3 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			87.7 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

CS 13 0.5' H250930-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021736	ЈН	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021736	ЈН	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	TD)		111 %	71.5	-134	5021736	ЈН	17-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	585		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			89.2 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			93.9 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

CS 14 0.5' H250930-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		110 %	71.5	-134	5021736	ЈН	17-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	208		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			86.9 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			85.4 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

CS 15 0.5' H250930-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		110 %	71.5	-134	5021736	ЈН	17-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			97.9 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			94.0 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

CS 16 0.5' H250930-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		112 %	71.5	-134	5021736	JH	17-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	21.2		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			86.9 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			85.6 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

FS 11 1' H250930-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
Volatile Organic Compounds I	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		109 %	71.5	-134	5021736	JH	17-Feb-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			76.3 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			72.3 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Celeg D. Keine



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

FS 12 1' H250930-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	352		16.0	mg/kg	4	5021742	HM	17-Feb-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		112 %	71.5	-134	5021736	JH	17-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	28.5		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			88.9 %	48.2	-134	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			83.7 %	49.1	-148	5021724	MS	17-Feb-25	8015B	

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Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Reported: 20-Feb-25 17:37

Inorganic Compounds - Quality Control

Cardinal Laboratories

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared &	Analyzed:	17-Feb-25				
ND	16.0	mg/kg							
			Prepared &	Analyzed:	17-Feb-25				
416	16.0	mg/kg	400		104	80-120			
			Prepared &	Analyzed:	17-Feb-25				
416	16.0	mg/kg	400		104	80-120	0.00	20	
			Prepared &	Analyzed:	17-Feb-25				
ND	16.0	mg/kg							
			Prepared &	Analyzed:	17-Feb-25				
416	16.0	mg/kg	400		104	80-120			
			Prepared &	Analyzed:	17-Feb-25				
432	16.0	mg/kg	400		108	80-120	3.77	20	
	ND 416 ND 416	Result Limit ND 16.0 416 16.0 ND 16.0 416 16.0 A16 16.0	ND	Result Limit Units Level	Prepared & Analyzed: ND	Result Limit Units Level Result %REC ND 16.0 mg/kg Prepared & Analyzed: 17-Feb-25 416 16.0 mg/kg 400 104 Prepared & Analyzed: 17-Feb-25 416 16.0 mg/kg 400 104 Prepared & Analyzed: 17-Feb-25 ND 16.0 mg/kg 400 104 Prepared & Analyzed: 17-Feb-25 416 16.0 mg/kg 400 104 Prepared & Analyzed: 17-Feb-25 416 16.0 mg/kg 400 104 Prepared & Analyzed: 17-Feb-25	Result Limit Units Level Result %REC Limits	Prepared & Analyzed: 17-Feb-25	Prepared & Analyzed: 17-Feb-25 ND 16.0 mg/kg Prepared & Analyzed: 17-Feb-25 416 16.0 mg/kg 400 104 80-120 Prepared & Analyzed: 17-Feb-25 416 16.0 mg/kg 400 104 80-120 0.00 20 20

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Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1

Reported: 20-Feb-25 17:37 Project Number: 03C1558555 & 03C1558543

Project Manager: BEN BELILL

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5021708 - Volatiles										
Rlank (5021708-RLK1)				Prepared &	Analyzed:	17-Feb-25				

Blank (5021708-BLK1)				Prepared & Anal	yzed: 17-Feb-25				
Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0602		mg/kg	0.0500	120	71.5-134			
LCS (5021708-BS1)				Prepared & Anal	yzed: 17-Feb-25				
Benzene	2.24	0.050	mg/kg	2.00	112	82.8-130			
Toluene	2.30	0.050	mg/kg	2.00	115	86-128			
Ethylbenzene	2.41	0.050	mg/kg	2.00	121	85.9-128			
m,p-Xylene	4.93	0.100	mg/kg	4.00	123	89-129			
o-Xylene	2.45	0.050	mg/kg	2.00	122	86.1-125			
Total Xylenes	7.38	0.150	mg/kg	6.00	123	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0538		mg/kg	0.0500	108	71.5-134			
LCS Dup (5021708-BSD1)				Prepared & Anal	yzed: 17-Feb-25				
Benzene	2.09	0.050	mg/kg	2.00	105	82.8-130	6.87	15.8	
Toluene	2.06	0.050	mg/kg	2.00	103	86-128	11.2	15.9	
Ethylbenzene	2.11	0.050	mg/kg	2.00	106	85.9-128	13.2	16	
m,p-Xylene	4.32	0.100	mg/kg	4.00	108	89-129	13.2	16.2	
o-Xylene	2.16	0.050	mg/kg	2.00	108	86.1-125	12.4	16.7	
Total Xylenes	6.48	0.150	mg/kg	6.00	108	88.2-128	12.9	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0528		mg/kg	0.0500	106	71.5-134			

Batch 5021736 - Volatiles

Blank (5021736-BLK1)			Prepared & Analyzed: 17-Feb-25
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

Limits

RPD

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Analyte

m,p-Xylene

Total Xylenes

Surrogate: 4-Bromofluorobenzene (PID)

o-Xylene

Project: CORRAL CANYON 16-9 FED COM 1

Spike

Level

Project Number: 03C1558555 & 03C1558543

Source

Result

%REC

113

104

110

104

89-129

86.1-125

88.2-128

71.5-134

0.192

0.652

16.2

16.7

Reported: 20-Feb-25 17:37

RPD

Limit

Notes

Project Manager: BEN BELILL

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

0.100

0.050

0.150

Result

4.50

2.09

6.59

0.0520

Blank (5021736-BLK1)				Prepared & Analy	yzed: 17-Feb-25				
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0552		mg/kg	0.0500	110	71.5-134			
LCS (5021736-BS1)				Prepared & Analy	yzed: 17-Feb-25				
Benzene	2.09	0.050	mg/kg	2.00	105	82.8-130			
Toluene	2.14	0.050	mg/kg	2.00	107	86-128			
Ethylbenzene	2.16	0.050	mg/kg	2.00	108	85.9-128			
m,p-Xylene	4.51	0.100	mg/kg	4.00	113	89-129			
o-Xylene	2.10	0.050	mg/kg	2.00	105	86.1-125			
Total Xylenes	6.61	0.150	mg/kg	6.00	110	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0528		mg/kg	0.0500	106	71.5-134			
LCS Dup (5021736-BSD1)				Prepared & Analy	yzed: 17-Feb-25				
Benzene	2.03	0.050	mg/kg	2.00	102	82.8-130	2.93	15.8	
Toluene	2.14	0.050	mg/kg	2.00	107	86-128	0.346	15.9	
Ethylbenzene	2.16	0.050	mg/kg	2.00	108	85.9-128	0.00998	16	

mg/kg

mg/kg

mg/kg

mg/kg

4.00

2.00

6.00

0.0500

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Celey D. Keene



%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 & 03C1558543

Source

Project Manager: BEN BELILL

Spike

Fax To:

Reported: 20-Feb-25 17:37

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5021724 - General Prep - Organics										
Blank (5021724-BLK1)				Prepared &	k Analyzed:	17-Feb-25				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.9	48.2-134			
Surrogate: 1-Chlorooctadecane	44.6		mg/kg	50.0		89.3	49.1-148			
LCS (5021724-BS1)				Prepared &	k Analyzed:	17-Feb-25				
GRO C6-C10	202	10.0	mg/kg	200		101	81.5-123			
DRO >C10-C28	188	10.0	mg/kg	200		93.8	77.7-122			
Total TPH C6-C28	390	10.0	mg/kg	400		97.4	80.9-121			
Surrogate: 1-Chlorooctane	50.2		mg/kg	50.0		100	48.2-134			
Surrogate: 1-Chlorooctadecane	47.6		mg/kg	50.0		95.2	49.1-148			
LCS Dup (5021724-BSD1)				Prepared &	k Analyzed:	17-Feb-25				
GRO C6-C10	208	10.0	mg/kg	200		104	81.5-123	2.93	13	
DRO >C10-C28	195	10.0	mg/kg	200		97.6	77.7-122	3.99	15.6	
Total TPH C6-C28	403	10.0	mg/kg	400		101	80.9-121	3.44	18.5	
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	48.2-134			
Surrogate: 1-Chlorooctadecane	49.1		mg/kg	50.0		98.3	49.1-148			

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

	(575) 393-2326 FA	FAX (5/5) 393-24/6	0	200		ANALY	ANALYSIS REQUEST	
Company Name:	Ensolum, LLC			BILL 10		AINAL I	יייייייייייייייייייייייייייייייייייייי	
Project Manager: Ben Belill	Ben Belill			P.O. #:				
Address: 3122 N	Address: 3122 National Parks Hwy	У		Company: XTO Energy Inc.	ly Inc.			
city: Carlsbad		State: NM	Zip: 88220	WO		_		
e #:	989-854-0852	Fax #:		im	Green St.	_		
	03C1558555 & 03C1558543	3 Project Owner:	ner: XTO	city: Carlsbad				
Project Name:	Corral Canyon 16-9 Fed Com 121H	6-9 Fed Com 1	121H	State: NM Zip: 88220	0	_		
Project Location:	32.122850,-103.9971932	971932		Phone #:				
Sampler Name: Jesse Dorman	lesse Dorman			1				
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING	ring			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:		CHLORIDE		
1	6508	0.5	_	845118	,			
w	8057	8.			200			
w,	4509	Z.			1607			
v +	2157	28			1519			
e	4157	05.		~	1619			
7	5157	0.5			5751	-		
200	9157	440		26hire	837			
10	£512	liant's exclusive remedy for an	y claim arising whether based in contra	10 ESUA 11 32 M W W Send that the annual paid by the client for the	d by the client for the	~		
PLEASE NOTE: Liability an analyses. All claims includit service. In no event shall Co	d Damages. Cardinar's leability and or ig those for negligence and any other ardinal be liable for incidental or cont	r cause whatsoever shall be d requental damages, including	eerned waived unless made in writing a without limitation, business interruption ardinal repardless of whether such claim	PLEASE NOTE: Labbly and Danlages. Cracinal's salarly and create successor service was a superior of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal writin 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal water, is subsidiaries. service. In no event shall Cardinal be liable for incidental or consequential damages, including without finitiation, business trientuplicons, loss of use, or loss of profits incurred by client, its subsidiaries.	or completion of the applicable client, its subsidiaries.			
Relinquished By:	ned By:	Date 77-3	Received By:	the Miland	Verbal Result: □Yes All Results are emailed. BBelill@ensolum.com	Please provide Email address: TMorrissey@ensolum.com,	iress:	Thillard@ensolum.com homason@ensolum.com
Relinquished By:	× C	Date:	Received By:	Jane S	REMARKS: + Cost Ce	Stoner.		4
		Time:			1589641001 & 187005	1001	nAPP2427451370 & nAPP2425666588	2425666588
Delivered By: (Circle One)		Observed Temp. "C	Sample Cor Cool Inta	CHECKED BY: (Initials)	# me	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp.	ample Condition Observed Temp. °C
Sampler - UPS - Bus - Other:		Corrected Tomp. C.J.4	Wes	1	Correction Factor OSC	TO347 NO NOS		Corrected Temp, °C

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



March 21, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL CANYON 16-9 FED COM 121H

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 accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 11 6'	H251016-01	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 14 5'	H251016-02	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 03 1'	H251016-03	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 22 1'	H251016-04	Soil	19-Feb-25 00:00	20-Feb-25 14:02
SW 04 0-4'	H251016-05	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 20 2'	H251016-06	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 21 1'	H251016-07	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 04 4'	H251016-08	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 23 4'	H251016-09	Soil	19-Feb-25 00:00	20-Feb-25 14:02
SW 03 0-1'	H251016-10	Soil	19-Feb-25 00:00	20-Feb-25 14:02

03/21/25 - Samples were originally logged in with another project. This is the revised report and will replace the one sent on 02/26/25.

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

FS 11 6' H251016-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
Volatile Organic Compounds by	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	JН	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			117 %	71.5	-134	5022110	JH	22-Feb-25	8021B	
Petroleum Hydrocarbons by Go	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			96.3 %	48.2	-134	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			95.0 %	49.1	-148	5022122	MS	21-Feb-25	8015B	

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

FS 14 5' H251016-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		115 %	71.5	-134	5022110	JH	22-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			96.5 %	48.2	-134	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			93.5 %	49.1	-148	5022122	MS	21-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

FS 03 1' H251016-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		118 %	71.5	-134	5022110	ЈН	22-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			95.5 %	48.2	-134	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			91.2 %	49.1	-148	5022122	MS	21-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

FS 22 1' H251016-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	0)		116 %	71.5	-134	5022110	JH	22-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	146		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			91.5 %	48.2-	-134	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			88.8 %	49.1	-148	5022122	MS	21-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL Fax To:

Reported: 21-Mar-25 17:24

SW 04 0-4' H251016-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	592		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	ЛН	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		119 %	71.5	-134	5022110	JH	22-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			96.0 %	48.2	-134	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			92.6 %	49.1	-148	5022122	MS	21-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

FS 20 2' H251016-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JН	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		114 %	71.5	-134	5022110	ЈН	22-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			89.8 %	48.2-	-134	5022122	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			87.0 %	49.1	-148	5022122	MS	21-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

FS 21 1' H251016-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		116 %	71.5	-134	5022110	ЈН	22-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			90.5 %	48.2	-134	5022123	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			92.8 %	49.1	-148	5022123	MS	21-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

FS 04 4' H251016-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	5022178	AC	22-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		113 %	71.5	-134	5022110	JH	22-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			80.4 %	48.2	-134	5022123	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			82.1 %	49.1	-148	5022123	MS	21-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 21-Mar-25 17:24

Project Number: 03C1550852 Project Manager: BEN BELILL

Fax To:

FS 23 4' H251016-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	288		16.0	mg/kg	4	5022178	AC	22-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022110	JН	22-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		114 %	71.5	-134	5022110	ЈН	22-Feb-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			83.1 %	48.2	-134	5022123	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			87.4 %	49.1	-148	5022123	MS	21-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 21-Mar-25 17:24

Project Number: 03C1550852 Project Manager: BEN BELILL

Fax To:

SW 03 0-1' H251016-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	5022178	AC	22-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022111	ЈН	23-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022111	JH	23-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022111	JH	23-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022111	JH	23-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022111	JH	23-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		98.0 %	71.5	-134	5022111	JH	23-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctane			90.7 %	48.2	-134	5022123	MS	21-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			90.9 %	49.1	-148	5022123	MS	21-Feb-25	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Reported: 21-Mar-25 17:24

Project Manager: BEN BELILL

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5022178 - 1:4 DI Water										
Blank (5022178-BLK1)				Prepared: 2	21-Feb-25 A	nalyzed: 22	2-Feb-25			
Chloride	ND	16.0	mg/kg							
LCS (5022178-BS1)				Prepared: 2	21-Feb-25 A	nalyzed: 22	2-Feb-25			
Chloride	416	16.0	mg/kg	400		104	80-120		·	
LCS Dup (5022178-BSD1)				Prepared: 21-Feb-25 Analyzed: 22-Feb-25						
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
Batch 5022180 - 1:4 DI Water										
Blank (5022180-BLK1)				Prepared &	Analyzed:	21-Feb-25				
Chloride	ND	16.0	mg/kg							
LCS (5022180-BS1)				Prepared &	Analyzed:	21-Feb-25				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5022180-BSD1)				Prepared &	: Analyzed:	21-Feb-25				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Celey D. Keene



%REC

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Source

Project Number: 03C1550852

Spike

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes		
Batch 5022110 - Volatiles												
Blank (5022110-BLK1)				Prepared: 2	21-Feb-25 A	analyzed: 2	2-Feb-25					
Benzene	ND	0.050	mg/kg									
Toluene	ND	0.050	mg/kg									
Ethylbenzene	ND	0.050	mg/kg									
Total Xylenes	ND	0.150	mg/kg									
Total BTEX	ND	0.300	mg/kg									
Surrogate: 4-Bromofluorobenzene (PID)	0.0592		mg/kg	0.0500		118	71.5-134					
LCS (5022110-BS1)	Prepared: 21-Feb-25 Analyzed: 22-Feb-25											
Benzene	2.05	0.050	mg/kg	2.00		103	82.8-130					
Toluene	2.09	0.050	mg/kg	2.00		105	86-128					
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	85.9-128					
m,p-Xylene	4.42	0.100	mg/kg	4.00		110	89-129					
o-Xylene	2.21	0.050	mg/kg	2.00		110	86.1-125					
Total Xylenes	6.62	0.150	mg/kg	6.00		110	88.2-128					
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134					
LCS Dup (5022110-BSD1)				Prepared: 2	21-Feb-25 A	analyzed: 2	2-Feb-25					
Benzene	2.03	0.050	mg/kg	2.00		102	82.8-130	0.924	15.8			
Toluene	2.17	0.050	mg/kg	2.00		108	86-128	3.55	15.9			
Ethylbenzene	2.25	0.050	mg/kg	2.00		112	85.9-128	3.80	16			
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	89-129	3.93	16.2			
o-Xylene	2.29	0.050	mg/kg	2.00		115	86.1-125	3.81	16.7			
Total Xylenes	6.89	0.150	mg/kg	6.00		115	88.2-128	3.89	16.3			
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	71.5-134					
Batch 5022111 - Volatiles												
Blank (5022111-BLK1)		·		Prepared: 2	21-Feb-25 A	analyzed: 2	3-Feb-25					

Blank (5022111-BLK1)			Prepared: 21-Feb-25 Analyzed: 23-Feb-25
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1550852

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5022111 - Volatiles										
Blank (5022111-BLK1)				Prepared: 2	21-Feb-25 A	nalyzed: 2	3-Feb-25			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.0	71.5-134			
LCS (5022111-BS1)				Prepared: 2	21-Feb-25 A	nalyzed: 2	3-Feb-25			
Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130			
Toluene	2.08	0.050	mg/kg	2.00		104	86-128			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.7	89-129			
o-Xylene	1.95	0.050	mg/kg	2.00		97.3	86.1-125			
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0500		95.6	71.5-134			
LCS Dup (5022111-BSD1)				Prepared: 2	21-Feb-25 A	nalyzed: 2	3-Feb-25			
Benzene	1.99	0.050	mg/kg	2.00		99.4	82.8-130	1.75	15.8	
Toluene	2.05	0.050	mg/kg	2.00		102	86-128	1.53	15.9	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.3	85.9-128	1.69	16	
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.7	89-129	2.04	16.2	
o-Xylene	1.91	0.050	mg/kg	2.00		95.3	86.1-125	2.04	16.7	
Total Xylenes	5.77	0.150	mg/kg	6.00		96.2	88.2-128	2.04	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0500		95.6	71.5-134			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

48.2-134

49.1-148

2.02

18.5

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Project: CORRAL CANYON 16-9 FED COM 1

Source

106

110

Project Number: 03C1550852

Spike

50.0

50.0

Project Manager: BEN BELILL

Fax To:

Reported: 21-Mar-25 17:24

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5022122 - General Prep - Organics										
Blank (5022122-BLK1)				Prepared &	k Analyzed:	21-Feb-25				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							

mg/kg

mg/kg

LCS (5022122-BS1)		Prepared & Analyzed: 21-Feb-25										
GRO C6-C10	216	10.0	mg/kg	200	108	81.5-123						
DRO >C10-C28	200	10.0	mg/kg	200	100	77.7-122						
Total TPH C6-C28	416	10.0	mg/kg	400	104	80.9-121						
Surrogate: 1-Chlorooctane	59.7		mg/kg	50.0	119	48.2-134						
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0	118	49.1-148						
LCS Dup (5022122-BSD1)				Prepared & Ana	lyzed: 21-Feb-25							
GRO C6-C10	219	10.0	mg/kg	200	109	81.5-123	1.49	13				
DRO >C10-C28	205	10.0	mg/kg	200	103	77.7-122	2.59	15.6				

Total TPH C6-C28	424	10.0	mg/kg	400	106	80.9-121
Surrogate: 1-Chlorooctane	62.0		mg/kg	50.0	124	48.2-134
Surrogate: 1-Chlorooctadecane	60.4		mg/kg	50.0	121	49.1-148

53.2

54.8

Batch 5022123 - General Prep - Organics

Blank (5022123-BLK1)				Prepared & Anal	yzed: 21-Feb-25			
GRO C6-C10	ND	10.0	mg/kg					
DRO >C10-C28	ND	10.0	mg/kg					
EXT DRO >C28-C36	ND	10.0	mg/kg					
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0	104	48.2-134		
Surrogate: 1-Chlorooctadecane	55.3		mg/kg	50.0	111	49.1-148		

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Spike

Source

Reported: 21-Mar-25 17:24 Project Number: 03C1550852

RPD

%REC

Project Manager: BEN BELILL

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5022123 - General Prep - Organics										
LCS (5022123-BS1)				Prepared &	k Analyzed:	21-Feb-25				
GRO C6-C10	212	10.0	mg/kg	200		106	81.5-123			
DRO >C10-C28	215	10.0	mg/kg	200		108	77.7-122			
Total TPH C6-C28	427	10.0	mg/kg	400		107	80.9-121			
Surrogate: 1-Chlorooctane	60.1		mg/kg	50.0		120	48.2-134			
Surrogate: 1-Chlorooctadecane	62.8		mg/kg	50.0		126	49.1-148			
LCS Dup (5022123-BSD1)				Prepared &	દે Analyzed:	21-Feb-25				
GRO C6-C10	215	10.0	mg/kg	200		108	81.5-123	1.40	13	
DRO >C10-C28	214	10.0	mg/kg	200		107	77.7-122	0.509	15.6	
Total TPH C6-C28	429	10.0	mg/kg	400		107	80.9-121	0.442	18.5	
Surrogate: 1-Chlorooctane	62.6		mg/kg	50.0		125	48.2-134			
Surrogate: 1-Chlorooctadecane	63.4		mg/kg	50.0		127	49.1-148			

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Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C

Sample Condition
Cool Intact
Pes Pes
No No

CHECKED BY: (Initials)

Turnaround Time:

Standard

1065 +0,3 e

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

Corrected Temp. °C

Time:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

ľ		2110			١		
Company Name: Ensolum, LLC			BILL TO				ANALYSIS REQUEST
Project Manager: Ben Only	2		P.O. #:				
Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: XTO Ener	Energy, Inc			
City: Midland	State: TX	Zip: 79701	Attn: Colton Brown				
Phone #: 989-854-0852	2 Fax #:		Address: 3104 E Greene St	ene St			
Project #: 0 3C1550852	Project Owner:	er: XTO Energy	City: Carlsbad				
Project Name: Cerel Lewen	16-9 fed	Com 121X	State: NM Zip: 88	88220			
Project Location: 32.12285C.	0103.9	-63,9971832	Phone #:				
Sampler Name: Excen Rec	6.		Fax #:				
		MATRIX	ESERV.	SAMPLING			
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:	TPH 8015	BTEX 8021	Chloride 4500	
1154	6	-	<	S .	4	<	
2 7514	S	1 1 2	2	×	<	•	
3 FSC3	-	2	V 2/9/3		<	٧.	
4 5522	-	7 - 2	× 219/29	N S	8	<	
5 Swet	C-4	7	v 2/19/25	5	5	<	
6 FS20	2	2	1 2/18/25	×	<	*	
7 8521	1	7	V 2/19/25	<	<	<	
8 tsc4	+	2	V 211915	<	3	<	
9 \$5 23	4	- 7	V 2/19/25	ν .	<	<	
10 swos	0-1	C1 1	~ 2/N/2	× ×	1	<	
PLEASE NOTE: Labelly and Damages, Cardrait's labelly and client's exclusive remedy for any dam arting whether based in contract or for, small be immad to the amount paid by the client for me analyses, All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and received by Cardraid within 30 days after completion of the applicable service, in no event shall Cardraid be liable for incidental or consequental damages, including without imitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, saffiates or successions arising out of or related to the performance of services hereunder by Cardraid, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	id client's exclusive remedy li other cause whatsoever shall consequental damages, inclu- cance of services hereunder l	or any claim arising whether based in contra be deemed waived unless made in writing a ding without limitation, business interruptions by Cardinal, regardless of whether such clair	act of fort, shall be limited to the amount; and received by Cardinal within 30 days a and received by Cardinal within 30 days as is, loss of use, or loss of profits incurred birn is based upon any of the above stated	had by the client for the application of the applic	able		
Relinquished By:	Date:	Received By:	11111	Verbal Result:	□ Y	Yes ☐ No ed. Please provi	Verbal Result: ☐ Yes ☐ No
Then hor	Time:	munde	Milater	BBelill@ensolum.cor	um.com	TMorrissey@e	n, TMorrissey@ensolum.com, THillard@ensolum.com
Relinquished By:		Received By:	Y	REMARKS:			



April 03, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 02/24/25 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 accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 03-Apr-25 12:03

Project Number: 03C1558555
Project Manager: BEN BELILL

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 01 0-2'	H251067-01	Soil	20-Feb-25 09:10	24-Feb-25 12:30
SW 05 0-6	H251067-02	Soil	20-Feb-25 09:20	24-Feb-25 12:30
FS 19 1	H251067-03	Soil	20-Feb-25 11:00	24-Feb-25 12:30
FS 17 2	H251067-04	Soil	20-Feb-25 11:03	24-Feb-25 12:30
FS 18 1	H251067-05	Soil	20-Feb-25 11:08	24-Feb-25 12:30
FS 10 3	H251067-06	Soil	20-Feb-25 11:18	24-Feb-25 12:30
FS 13 3	H251067-07	Soil	20-Feb-25 11:21	24-Feb-25 12:30
FS 16 3	H251067-08	Soil	20-Feb-25 11:23	24-Feb-25 12:30
FS 15 5	H251067-09	Soil	20-Feb-25 14:02	24-Feb-25 12:30
FS 07 5	H251067-10	Soil	20-Feb-25 14:14	24-Feb-25 12:30
FS 12 5	H251067-11	Soil	20-Feb-25 14:20	24-Feb-25 12:30
SW 02 0-1	H251067-12	Soil	20-Feb-25 14:24	24-Feb-25 12:30

04/03/25 - Client changed the sample ID on -01 (see COC). This is the revised report and will replace the one sent on 02/25/25.

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

SW 01 0-2' H251067-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	5022466	НМ	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JН	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JН	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5	-134	5022426	ЈН	24-Feb-25	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			108 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			114 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

SW 05 0-6 H251067-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	576		16.0	mg/kg	4	5022466	HM	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		109 %	71.5	-134	5022426	JH	24-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 03-Apr-25 12:03

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

FS 19 1 H251067-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		108 %	71.5	-134	5022426	JH	24-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			97.6 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

FS 17 2 H251067-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	288		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	ЈН	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		109 %	71.5	-134	5022426	ЈН	24-Feb-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			92.8 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			93.6 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

FS 18 1 H251067-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JН	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JН	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		110 %	71.5	-134	5022426	ЈН	24-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			108 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

FS 10 3 H251067-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		110 %	71.5	-134	5022426	ЈН	24-Feb-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	281		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			113 %	48.2-	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			127 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

FS 13 3 H251067-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		110 %	71.5	-134	5022426	JH	24-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	15.1		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			121 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			125 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

FS 16 3 H251067-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		109 %	71.5	-134	5022426	JH	24-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			117 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

FS 15 5 H251067-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		111 %	71.5	-134	5022426	ЈН	24-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			122 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			127 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

FS 07 5 H251067-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JН	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		109 %	71.5	-134	5022426	ЈН	24-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			116 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			124 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

FS 12 5 H251067-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		108 %	71.5	-134	5022426	ЈН	24-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			97.1 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Celeg D. Keine



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 03-Apr-25 12:03

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

SW 02 0-1 H251067-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	448		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5022426	JН	24-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		110 %	71.5	-134	5022426	ЈН	24-Feb-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	141		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	5022434	MS	24-Feb-25	8015B	

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:03

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5022466 - 1:4 DI Water										
Blank (5022466-BLK1)				Prepared &	: Analyzed:	24-Feb-25				
Chloride	ND	16.0	mg/kg							
LCS (5022466-BS1)				Prepared &	Analyzed:	24-Feb-25				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (5022466-BSD1)				Prepared &	Analyzed:	24-Feb-25				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 5022503 - 1:4 DI Water										
Blank (5022503-BLK1)				Prepared &	: Analyzed:	25-Feb-25				
Chloride	ND	16.0	mg/kg							
LCS (5022503-BS1)				Prepared &	: Analyzed:	25-Feb-25				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5022503-BSD1)				Prepared &	: Analyzed:	25-Feb-25				
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 03-Apr-25 12:03

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5022426 - Volatiles										

Blank (5022426-BLK1)				Prepared & Analy	zed: 24-Feb-25				
Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0539		mg/kg	0.0500	108	71.5-134			
LCS (5022426-BS1)				Prepared & Analy	zed: 24-Feb-25	i			
Benzene	2.12	0.050	mg/kg	2.00	106	82.8-130			
Toluene	2.28	0.050	mg/kg	2.00	114	86-128			
Ethylbenzene	2.32	0.050	mg/kg	2.00	116	85.9-128			
m,p-Xylene	4.87	0.100	mg/kg	4.00	122	89-129			
o-Xylene	2.32	0.050	mg/kg	2.00	116	86.1-125			
Total Xylenes	7.19	0.150	mg/kg	6.00	120	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500	104	71.5-134			
LCS Dup (5022426-BSD1)				Prepared & Analy	zed: 24-Feb-25	i			
Benzene	2.20	0.050	mg/kg	2.00	110	82.8-130	3.94	15.8	
Toluene	2.41	0.050	mg/kg	2.00	120	86-128	5.64	15.9	
Ethylbenzene	2.44	0.050	mg/kg	2.00	122	85.9-128	5.18	16	
m,p-Xylene	5.05	0.100	mg/kg	4.00	126	89-129	3.59	16.2	
o-Xylene	2.40	0.050	mg/kg	2.00	120	86.1-125	3.30	16.7	
Total Xylenes	7.45	0.150	mg/kg	6.00	124	88.2-128	3.49	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500	103	71.5-134			

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%REC

Limits

RPD

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Analyte

GRO C6-C10

DRO >C10-C28

Total TPH C6-C28

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Project: CORRAL CANYON 16-9 FED COM 1

Spike

Level

200

200

400

50.0

50.0

Project Number: 03C1558555

Source

Result

%REC

105

98.5

101

131

132

81.5-123

77.7-122

80.9-121

48.2-134

49.1-148

3.81

7.19

5.44

Reported: 03-Apr-25 12:03

RPD

Limit

13

15.6

18.5

Notes

Project Manager: BEN BELILL

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

10.0

10.0

Result

209

197

406

65.4

66.2

Batch 5022434 - General Prep - Orga	anics						
Blank (5022434-BLK1)				Prepared & Ana	lyzed: 24-Feb-25		
GRO C6-C10	ND	10.0	mg/kg				
DRO >C10-C28	ND	10.0	mg/kg				
EXT DRO >C28-C36	ND	10.0	mg/kg				
Surrogate: 1-Chlorooctane	63.7		mg/kg	50.0	127	48.2-134	
Surrogate: 1-Chlorooctadecane	64.5		mg/kg	50.0	129	49.1-148	
LCS (5022434-BS1)				Prepared & Ana	lyzed: 24-Feb-25		
GRO C6-C10	201	10.0	mg/kg	200	101	81.5-123	
DRO >C10-C28	183	10.0	mg/kg	200	91.6	77.7-122	
Total TPH C6-C28	384	10.0	mg/kg	400	96.1	80.9-121	
Surrogate: 1-Chlorooctane	62.8		mg/kg	50.0	126	48.2-134	
Surrogate: 1-Chlorooctadecane	64.0		mg/kg	50.0	128	49.1-148	
LCS Dup (5022434-BSD1)				Prepared & Ana	lyzed: 24-Feb-25		

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

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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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Sampler - UPS - Bus - Other: Delivered By: (Circle One)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

					١	١		
Company Name: Ensolum, LLC			BILL TO	0			ANA	ANALYSIS REQUEST
Project Manager: Be (1)			P.O. #:					
Address: 601 N Marienfeld Street, Suite 400	ite 400		Company: XTO En	XTO Energy, Inc			_	
City: Midland	State: TX	Zip: 79701	Attn: Colton Brown				_	_
Phone #: 889 854-0854	Fax#:		Address: 3104 E Greene St	reene St				
Project #:0301558555	Project Owner:	r: XTO Energy	City: Carlsbad					
Project Name: Correl Caryon	16-90 fed con	on 1214	: NM Zip:	88220				
Project Location: 32, 122850	122850, -103, 8971932	71532	Phone #:				_	
			Fax #:				_	
		MATRIX	ESERV	SAMPLING				
		S ER					00	
Lab I.D. Sample I.D.	Depth (feet)	(G)RAB OR (C)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	TPH 8015	BTEX 8021	Chloride 450	
lows	CY W	1	<	016 3	<	<	<	
2 Swes	0-6	0 -	~ 29 xs/	-0-	5	4	<	
3 8519	1	1 - 1	100 V	420/25 1100	<	۲.	4	
4 5517	2	C	2/20/15	u 1103	<	6	۲	
8155 5	_	1	2120/25		5	<	1	
6 256	w	C \	~ 42013s	82111 52	<	1	<	
7 8513	w	0 - 0	2/00/2		5	<	(
9158 8	3		2 400 B		5	<	<	
5155 6	S	2	2/20/15		<	<	(
10 5507	S	C - <	J 2/24/2		٢	((
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Ž.	Date: N-OK	Received By:	INC BACKS SUR IN ALIB HOMO POSSOCION	Verbal Result:	ult:	□ Yes	□ No Add'I	Add'l Phone #:
Even Ra	Time: 1320	Spedpi	Sie L	All Results are email	are em	ailed. I	All Results are emailed. Please provide Email address: BBelill@ensolum.com, TMorrissey@ensolum.com, THilla	ed. Please provide Email address: m. TMorrissev@ensolum.com. THillard@ensolum.com
Relinquished By:	Date:	Received By:	•	REMARKS:	*		romoten	Trecreation De

Cool Intact
Yes Yes

24 K

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

| Yes | Yes | Yes | No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

CHECKED BY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Project Manager: Ben Belil	1		P.O. #:		-	-	
Address: 601 N Marienfeld Street, Suite 400	ite 400		Company: XTO Energy, Inc.	gy, Inc		_	
City: Midland	State: TX	Zip: 79701	Attn: Colton Brown		_		
Phone #: 984-854-0854	Fax #:		Address: 3104 E Greene	ene St	_		
Project #: 0301558556	Project Owner	r: XTO Energy	City: Carlsbad				
Project Name: Closed Confon	16-85	16-8 for com 121H	State: NM Zip: 88220	220			
Project Location: 32, 122350	e -103.8971932	71932	Phone #:				
Eles .			Fax#:			_	
100000		MATRIX	ESERV.	SAMPLING	_		
Lab I.D. Sample I.D.	Depth (feet)	S)RAB OR (C)OMP. CONTAINERS ROUNDWATER VASTEWATER OIL UL	THER: CID/BASE: DE / COOL OTHER:	T M	TPH 8015 BTEX 8021	Chloride 4500	
£183	Si	7	7	5241 SURT	< ·	7	
12 4110	2-1	-	~ 2mc/s	+241 >625C	5	1	
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Relinquished By:	Date: 425 Receiv	ed By:	specipioner	Verbal Results an BBelill@ens	it: re emaile olum.cor	Yes □ No ed. Please pr m, TMorrissey	Verbal Result:
Relinquished By:	Date: Time:	Received By:	0	REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrected Tamp. 50.42	Sample Condition Cool Intact Cool Intact Per Tyes No No	ition CHECKED BY:	Tumaround Time: 34	and and	Standard Rush 244	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C



April 03, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 03/12/25 15:45.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 03-Apr-25 12:07

Project Number: 03C1558555 Project Manager: BEN BELILL

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 02 0.1	H251479-01	Soil	11-Mar-25 11:43	12-Mar-25 15:45
FS 22A 1'	H251479-02	Soil	11-Mar-25 11:48	12-Mar-25 15:45
SW 06 0.5	H251479-03	Soil	11-Mar-25 13:20	12-Mar-25 15:45
SW 08 0.3	H251479-04	Soil	11-Mar-25 14:48	12-Mar-25 15:45
SW 09 0.2	H251479-05	Soil	11-Mar-25 14:00	12-Mar-25 15:45
SW 07 0-5.5'	H251479-06	Soil	12-Mar-25 12:17	12-Mar-25 15:45

04/03/25 - Client changed the sample ID for -02 and -06 (see COC). This is the revised report and will replace the one sent on 03/13/25.

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 03-Apr-25 12:07

Project Number: 03C1558555 Project Manager: BEN BELILL

Fax To:

SW 02 0.1 H251479-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	432		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
Volatile Organic Compounds I	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		92.1 %	71.5	-134	5031201	ЈН	12-Mar-25	8021B	
Petroleum Hydrocarbons by G	SC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
DRO >C10-C28*	87.3		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
Surrogate: 1-Chlorooctane			72.3 %	44.4	-145	5031226	MS	12-Mar-25	8015B	
Surrogate: 1-Chlorooctadecane			80.1 %	40.6	-153	5031226	MS	12-Mar-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:07

FS 22A 1' H251479-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	336		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5031201	JН	12-Mar-25	8021B	
	D)		91.9 %	71.5	-134	5031201	JH	12-Mar-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
DRO >C10-C28*	12.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
Surrogate: 1-Chlorooctane			88.4 %	44.4	-145	5031226	MS	12-Mar-25	8015B	
Surrogate: 1-Chlorooctadecane			94.8 %	40.6	-153	5031226	MS	12-Mar-25	8015B	

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Celeg D. Keine



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Reported: 03-Apr-25 12:07

Project Manager: BEN BELILL

Fax To:

SW 06 0.5 H251479-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		92.9 %	71.5	-134	5031201	JH	12-Mar-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
Surrogate: 1-Chlorooctane			77.4 %	44.4	-145	5031226	MS	12-Mar-25	8015B	
Surrogate: 1-Chlorooctadecane			82.0 %	40.6	-153	5031226	MS	12-Mar-25	8015B	

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555 Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:07

SW 08 0.3 H251479-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	496		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		93.0 %	71.5	-134	5031201	JH	12-Mar-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
DRO >C10-C28*	26.5		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
Surrogate: 1-Chlorooctane			85.6 %	44.4	-145	5031226	MS	13-Mar-25	8015B	
Surrogate: 1-Chlorooctadecane			91.3 %	40.6	-153	5031226	MS	13-Mar-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:07

SW 09 0.2 H251479-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	544		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		92.4 %	71.5	-134	5031201	JH	12-Mar-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
Surrogate: 1-Chlorooctane			87.3 %	44.4	-145	5031226	MS	13-Mar-25	8015B	
Surrogate: 1-Chlorooctadecane			92.3 %	40.6	-153	5031226	MS	13-Mar-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: CORRAL CANYON 16-9 FED COM 1

Reported: 03-Apr-25 12:07

Project Number: 03C1558555 Project Manager: BEN BELILL

Fax To:

SW 07 0-5.5' H251479-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		91.8 %	71.5	-134	5031201	JH	12-Mar-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
Surrogate: 1-Chlorooctane			81.2 %	44.4	-145	5031226	MS	13-Mar-25	8015B	
Surrogate: 1-Chlorooctadecane			85.9 %	40.6	-153	5031226	MS	13-Mar-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1

Project Number: 03C1558555

03-Apr-25 12:07

Reported:

Project Manager: BEN BELILL

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5031313 - 1:4 DI Water										
Blank (5031313-BLK1)				Prepared &	Analyzed:	13-Mar-25				
Chloride	ND	16.0	mg/kg							
LCS (5031313-BS1)				Prepared &	Analyzed:	13-Mar-25				
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (5031313-BSD1)				Prepared &	z Analyzed:	13-Mar-25				
Chloride	416	16.0	mg/kg	400		104	80-120	7.41	20	

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%REC

Limits

RPD

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Analyte

o-Xylene

Total Xylenes

Surrogate: 4-Bromofluorobenzene (PID)

Project: CORRAL CANYON 16-9 FED COM 1

Source

Result

Spike

Level

Project Number: 03C1558555

%REC

100

101

91.2

86.1-125

88.2-128

71.5-134

1.48

1.96

16.7

16.3

Reported: 03-Apr-25 12:07

RPD

Limit

Notes

Project Manager: BEN BELILL

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

2.00

6.05

0.0456

0.050

0.150

mg/kg

mg/kg

mg/kg

2.00

6.00

0.0500

Blank (5031201-BLK1)				Prepared & Anal	yzed: 12-Mar-2:	5			
Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500	94.2	71.5-134			
LCS (5031201-BS1)				Prepared & Anal	yzed: 12-Mar-2:	5			
Benzene	1.95	0.050	mg/kg	2.00	97.7	82.8-130			
Toluene	2.06	0.050	mg/kg	2.00	103	86-128			
Ethylbenzene	2.03	0.050	mg/kg	2.00	101	85.9-128			
m,p-Xylene	3.96	0.100	mg/kg	4.00	99.0	89-129			
o-Xylene	1.97	0.050	mg/kg	2.00	98.6	86.1-125			
Total Xylenes	5.93	0.150	mg/kg	6.00	98.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0467		mg/kg	0.0500	93.5	71.5-134			
LCS Dup (5031201-BSD1)				Prepared & Anal	yzed: 12-Mar-2:	5			
Benzene	2.04	0.050	mg/kg	2.00	102	82.8-130	4.46	15.8	
Toluene	2.13	0.050	mg/kg	2.00	107	86-128	3.31	15.9	
Ethylbenzene	2.07	0.050	mg/kg	2.00	103	85.9-128	1.82	16	
m,p-Xylene	4.05	0.100	mg/kg	4.00	101	89-129	2.20	16.2	

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705

Surrogate: 1-Chlorooctadecane

Project: CORRAL CANYON 16-9 FED COM 1

Source

Project Number: 03C1558555

Spike

50.0

115

40.6-153

Project Manager: BEN BELILL

Fax To:

Reported: 03-Apr-25 12:07

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

57.6

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5031226 - General Prep - Organics										
Blank (5031226-BLK1)				Prepared &	& Analyzed:	12-Mar-25	5			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.7	44.4-145			
Surrogate: 1-Chlorooctadecane	51.3		mg/kg	50.0		103	40.6-153			
LCS (5031226-BS1)				Prepared &	& Analyzed:	12-Mar-25	5			
GRO C6-C10	216	10.0	mg/kg	200		108	81.5-123			
DRO >C10-C28	219	10.0	mg/kg	200		109	77.7-122			
Total TPH C6-C28	434	10.0	mg/kg	400		109	80.9-121			
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	44.4-145			
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	40.6-153			
LCS Dup (5031226-BSD1)				Prepared &	& Analyzed:	12-Mar-25	5			
GRO C6-C10	222	10.0	mg/kg	200		111	81.5-123	2.70	13	
DRO >C10-C28	224	10.0	mg/kg	200		112	77.7-122	2.42	15.6	
Total TPH C6-C28	446	10.0	mg/kg	400		111	80.9-121	2.56	18.5	
Surrogate: 1-Chlorooctane	58.3		mg/kg	50.0		117	44.4-145			

mg/kg

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

(575) 393-2326	(575) 393-2326 FAX (5/5) 393-24/6			
Company Name: Ensolum, LLC		BILL TO		ANALTSIS REQUEST
Project Manager: Bun Bull	12	P.O. #:		
Address: 601 N Marienfeld Street, Suite 400	Suite 400	Company: XTO Energy, Inc.	Inc	
City: Midland	State: TX Zip: 79701	Attn: Colton Brown		
Phone #: 989 8540852		Address: 3104 E Greene	St	
036	Project Owner: XTO Energy	City: Carlsbad		
	16-9 Fed Com 121H	State: NM Zip: 88220		
Project Location: 31, 111850	0-103.997193	Phone #:		
		PRESERV. SAMPLING	ING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER:	TPH 8015 BTEX 8021 Chloride 4500	
5W02	-		1193 22 7	
a £5224	1/2 - s	N/1/2	148 11	
3 SW06	2.0.5	~ 3/W/W	320 ~ ~ ~	
8 oms	0.3 6.0		1 2 2 824	
S SWO9	0.2 0.1		1400 ~ ~ ~	
45	0-55' L1 V	~ 3/m/#	27 ~ ~ ~ ~	
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Relinquished By:	Date: Received By: Time: CODOCUS		Verbal Result: All Results are emailed. Please pro BBeliil@ensolum.com, TMorrissey@	le Email
Relinquished By:	Date: Received By:		5 £	250
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrected Temp. °C Gol Intact Corrected Temp. °C Gol No No	CHECKED BY: (Initials)	Sta	ndard Bacteria (only) sample Condition Cool Intact Observed Temp. °C □ Yes □ Yes □ No □ No Corrected Temp. °C



March 17, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 03/14/25 9:22.

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 BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/14/2025 Sampling Date: 03/13/2025

Reported: 03/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

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

Project Location: XTO 32.122850, -103.997192

Sample ID: FS 10 4' (H251526-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2025	ND	2.09	104	2.00	11.0	
Toluene*	<0.050	0.050	03/14/2025	ND	2.20	110	2.00	6.41	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.34	117	2.00	0.749	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	7.16	119	6.00	0.598	
Total BTEX	<0.300	0.300	03/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	194	97.2	200	9.16	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	183	91.6	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					
Surrogate: 1-Chlorooctane	82.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	79.4	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/14/2025 Sampling Date: 03/13/2025

Reported: 03/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997192

Sample ID: FS 05 5.5' (H251526-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2025	ND	2.09	104	2.00	11.0	
Toluene*	<0.050	0.050	03/14/2025	ND	2.20	110	2.00	6.41	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.34	117	2.00	0.749	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	7.16	119	6.00	0.598	
Total BTEX	<0.300	0.300	03/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	194	97.2	200	9.16	
DRO >C10-C28*	87.4	10.0	03/14/2025	ND	183	91.6	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					
Surrogate: 1-Chlorooctane	81.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.8	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/14/2025 Sampling Date: 03/13/2025

Reported: 03/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997192

Sample ID: FS 06 5.5' (H251526-03)

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	03/14/2025	ND	2.09	104	2.00	11.0	
Toluene*	<0.050	0.050	03/14/2025	ND	2.20	110	2.00	6.41	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.34	117	2.00	0.749	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	7.16	119	6.00	0.598	
Total BTEX	<0.300	0.300	03/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	194	97.2	200	9.16	
DRO >C10-C28*	53.4	10.0	03/14/2025	ND	183	91.6	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					
Surrogate: 1-Chlorooctane	83.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	81.9	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/14/2025 Sampling Date: 03/13/2025

Reported: 03/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997192

Sample ID: FS 24 1' (H251526-04)

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	03/14/2025	ND	1.96	97.9	2.00	8.55	
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08	
Total BTEX	<0.300	0.300	03/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/17/2025	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	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	12.3	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					
Surrogate: 1-Chlorooctane	84.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	89.5	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/14/2025 Sampling Date: 03/13/2025

Reported: 03/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997192

Sample ID: SW 10 0-1' (H251526-05)

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	03/14/2025	ND	1.96	97.9	2.00	8.55	
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08	
Total BTEX	<0.300	0.300	03/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/17/2025	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	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	198	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					
Surrogate: 1-Chlorooctane	81.8	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	90.3	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/14/2025 Sampling Date: 03/13/2025

Reported: 03/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997192

Sample ID: FS 25 1' (H251526-06)

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	03/14/2025	ND	1.96	97.9	2.00	8.55	
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08	
Total BTEX	<0.300	0.300	03/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/17/2025	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	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	44.9	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					
Surrogate: 1-Chlorooctane	94.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	100 9	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/14/2025 Sampling Date: 03/13/2025

Reported: 03/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Analyzed By: 14

Project Location: XTO 32.122850, -103.997192

ma/ka

Sample ID: FS 26 2' (H251526-07)

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	03/14/2025	ND	1.96	97.9	2.00	8.55	
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08	
Total BTEX	<0.300	0.300	03/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/17/2025	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	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	11.2	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	102	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/14/2025 Sampling Date: 03/13/2025

Reported: 03/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997192

Sample ID: SW 11 0-2' (H251526-08)

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	03/14/2025	ND	1.96	97.9	2.00	8.55	
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08	
Total BTEX	<0.300	0.300	03/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/14/2025	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	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	74.5	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	25.7	10.0	03/14/2025	ND					
Surrogate: 1-Chlorooctane	89.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.6	% 40.6-15	3						

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Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

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Company Name	Company Name: Ensolum, LLC								4	BI	BILL TO					Ą	ANALYSIS	Sis		REQUEST	듀	S	1		
Project Manager:	" Ben Bull	_					70	P.O. #:	*	П							_						_		
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	uite 400					0	Company:	pan		XTO Energy,	Inc				_	_			_			_	_	_
City: Midland		State: TX	Zip: 79701	797	701		Þ	#	0	oltor	Attn: Colton Brown						_						_		
Phone #: 989	9 854 0852 Fax #:	2 Fax #:					Þ	Address:	sse		3104 E Greene St	e St				_							_		
Project #: 0 3C	2	Project Owner:		TO	XTO Energy		0	City:		Carlsbad	bad					_	_						_		
Project Name:	Correl Coorse	16-9 Fed Com	E	2	1214		co	State: NM	7	Z	Zip: 88220	0				_							_		
Project Location:	32.1	-103	59				70	Phone #:	16#	"						_	_						_		
Sampler Name:	B	7	1				71	Fax #:	#								_			_			_		
FOR LAB USE ONLY					MATRIX	R	ŀ	P	찚	PRESERV.	SAMPLING	ING					_						_		
Lab I.D.	Sample I.D.	Depth (feet)	G)RAB OR (C)OMP.	CONTAINERS	GROUNDWATER WASTEWATER SOIL	OIL	SLUDGE	OTHER :	CE/COOL	OTHER:	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500										
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N	SWIO	1.0	C	-	<			_	_	9	3/1/25	1311	7	?	9										
6	F525	_	0	-	4		_	_	<	`	3/13/25	3441	7	9	7										
7	£526	2	0	1	<		-		_	7	3/13/25	1510	~	2	•					-			-		-
8-	(1.45	2.0	0	-	<		+	+++	-	-	3/13/25	1528	<	4	•					1					
PLEASE NOTE: Liability as analyses. All claims includi service. In no event shall C	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 paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whitnow that all cardinal be liable for incidental or consequential damages, including whitnow that instance, business therruptions, loss of use, or loss of profits incurred by client, its applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whitnow that instance, business the cardinal behavior or the consequential damages.	client's exclusive remedy for a her cause whatsoever shall be insequental damages, including	ny claim deemed without	arising waves limited	g whether based in d unless made in tion, business inter	ruption ruption	act or I	ort, sh ceived of us	all be by Co	limited ardinal ass of p	s limited to the amount paid to around within 30 days after or loss of profits incurred by clies and of the above stated each	by the client for a completion of the completion	the e applica ies,	de de											
Relinquished By:	d By:	Date: 3- IVI-35 Time:		ceiv	Received By:							Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com	sult: are e	☐ Yes mailed. I n.com, T	Please pro TMorrissey(provide ey@ens	Add'I Phone #: de Email addre: nsolum.com, TH	addi om,	#: Hilla	(B)	enso	řum.	com		
Relinquished By:	y:	Date:	R	ceiv	Received By:	4						n 400 2427	24		451370	28		820	8700 S 100 1 8700 S 4100	200 S 101	5 ±3	10015 001 10014968			
Delivered By: (Circle One)	Sircle One)	Observed Temp. °C	16.70	1	Sample Condition Cool Intact A Yes A Yes	Conc	dittion		0	HEC!	BY:	Turnaround Time:	d Tim	is in	Standard Rush	ard D	-	Bacteria (on Cool Intact	ntac	(only) act Yes	Sar	ple	Con	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes	n
	3		6.h	Ľ	□ No □ No		S.	\vdash	1	+	2	Correction Factor -0.5°C	setor	-0.5°C+	C+0.3C	1	L	No		No	C	оггес	ted	Corrected Temp. °C	0



March 28, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 03/27/25 13:20.

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 BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/27/2025 Sampling Date: 03/26/2025

Reported: 03/28/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 (SPILL) Sample Received By: Tamara Oldaker

A I J 711

Project Location: XTO 32.122850, -103.9971932

Sample ID: SW 13 0-2' (H251804-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61	
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38	
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21	
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78	
Total BTEX	<0.300	0.300	03/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/28/2025	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	03/27/2025	ND	203	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	208	104	200	9.80	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					
Surrogate: 1-Chlorooctane	97.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	99.4	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/27/2025 Sampling Date: 03/26/2025

Reported: 03/28/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 (SPILL) Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO 32.122850, -103.9971932

Sample ID: SW 12 0-1' (H251804-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61	
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38	
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21	
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78	
Total BTEX	<0.300	0.300	03/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2025	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	03/27/2025	ND	203	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	208	104	200	9.80	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					
Surrogate: 1-Chlorooctane	97.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	100	% 40.6-15	3						

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name: Ensolum, LLC	Ensolum, LLC		1		1	9	-			ı							
	0				Г	BI	BILL 10					AN	ANALYSIS		REQUEST		
Project Manager:	: Ben Byill	=			P.O.	.#:						+			-		
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	ite 400			Cor	npany:	Company: XTO Energy, Inc.	y, Inc									_
City: Midland		State: TX	Zip:	Zip: 79701	Attn:		Colton Brown										_
Phone #: 984	984-854-0852	-			Add	lress: 3	Address: 3104 E Greene	ne St									_
Project #: 03	Project #: 03C / 558555	Project Owner:		XTO Energy	$\overline{}$: Carlsbad	bad								_		
Project Name: Com	forme conson	16-9 fe		con 1214 5pil		State: NM	Zip: 88220	00				_			_		
Project Location:	32.	0-103.99	719	1		Phone #:							_				
Sampler Name:	Review Re				Fax #:	*					_				_		
FOR LAB USE ONLY			ИP.	MATRIX		PRESERV.	SAMPLING	LING									
Lab I.D. HZ 1804	Sample I.D.	Depth (feet)	(G)RAB OR (C)OM	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER:	ACID/BASE: ICE / COOL 1	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500						
	514 WS	2.0	_	5		7	22.47.5	920	5	1	۲	+	1	1	+	+	1
2	5W012	0-1	0	7		5	3223	1309	7	?	<	H					
				9				7,001	-	\ \ \ \ \ \	,						
PLEASE NOTE: Liabiley and analyses. All claims including service. In no event shall Can affiliates or successors arising	PLEASE NOTE: Labbly and Demages. Cardinal's labbilly and clients exclusive remedy for any claim arising whether based in contract or bott, shall be limited to the amount paid by the client for the arralyses. All claims including those for negligation and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be labble for incidental or consequentual damages, including without inflication, business interruptions, loss of use, or loss of profits incurred by place the subdistances. Subdistances of services hereunded by Cardinal, regardless of whether such claim is based upon any of the above stated research so otherwise.	inf's exclusive remedy for any claim a cause whatsoever shall be deemed v quental damages, including without II of services hereunder by Cardinal, iv	ny claim a deemed w without li- ardinal, re	rising whether based in contract or tort, shall breaked by C salved unless made in writing and received by C imitation, business interruptions, loss of use, or egardless of whether such claim is based upon	t or tort, st id received loss of us	hall be limited to 5 by Cardinal wi e, or loss of pro upon any of the	the amount paid thin 30 days after of the first thin 30 days after of the first thin above stated reas	count paid by the client for t days after completion of the irred by client, its subsidiars stated reasons or otherwise	the e applicables,		-	1	t		-	-	Ł
Relinquished By:	Farm R	Date: Sanas Time:	Rec	eived By:	6		A.	Verbal Result: All Results are emailed. BBeiill@ensolum.com,	are en	☐ Yes nailed.	□ No Add'I Phone #: Please provide Email address: Morrissey@ensolum.com, THilla	Add'i ovide En @ensolu	Add'I Phone #: de Email addre: nsolum.com, TH	ess: Hillard@	. Please provide Email address: TMorrissey@ensolum.com, THillard@ensolum.com	3	
Relinquished By:		Date: Time:	Rec	Received By:				REMARKS: INCIDENT	S1:57	CC:158	4964100D 2	7 90	1870	510	1000	~APP 44275 (370, 170) 2425 (2558	288
Sampler - UPS - Bus - Other:		Corrected Temp. "C	7.8.	Sample Condition Cool Intact Tyes Tyes	Sion	CHECKED BY:		Turnaround Time: Thermometer ID #13 #	d Time:	# 25	Standard Rush H24		Bacteria (on Cool Intact ☐ Yes ☐ Ye	Bacteria (only) Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp.	Sample Condition Observed Temp. °C	

No No Corrected Temp. °C



April 17, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL CANYON 16-9 STATE FED COM 121H - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 04/16/25 14:47.

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)

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 04/16/2025 Sampling Date: 04/16/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Shari Cisneros

Project Location: XTO 32.122850, -103.9971932

Sample ID: FS 27 2 (H252294-01)

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	04/16/2025	ND	2.17	109	2.00	4.29	
Toluene*	<0.050	0.050	04/16/2025	ND	2.21	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.18	109	2.00	4.14	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.40	107	6.00	3.99	
Total BTEX	<0.300	0.300	04/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/17/2025	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	04/16/2025	ND	180	89.8	200	4.44	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	178	88.9	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					
Surrogate: 1-Chlorooctane	76.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.8	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreene



Analytical Results For:

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

Received: 04/16/2025 Sampling Date: 04/16/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact Project Number: 03C1558543 Sample Received By: Shari Cisneros

Project Location: XTO 32.122850, -103.9971932

Sample ID: SW 14 0-2 (H252294-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2025	ND	2.17	109	2.00	4.29	
Toluene*	<0.050	0.050	04/17/2025	ND	2.21	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/17/2025	ND	2.18	109	2.00	4.14	
Total Xylenes*	<0.150	0.150	04/17/2025	ND	6.40	107	6.00	3.99	
Total BTEX	<0.300	0.300	04/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/17/2025	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	04/16/2025	ND	180	89.8	200	4.44	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	178	88.9	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					
Surrogate: 1-Chlorooctane	80.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.0	% 40.6-15	3						

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Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. C 496 Corrected Temp. "C526

Sample Condition
Cool Intact
Diffes Diffes
No No

CHECKED BY:

Turnaround Time:

LY (V D 0.3 C
Thermometer ID #13
Correction Factor -0.5 C

Cost Center: 1589641001, 1870051001 GFCM: 48605000 Standard

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

Corrected Temp. °C

Time:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

(5/5) 353-2320	ואין (סוס) סססיבדויס			١	١			V010		TSE		
Company Name: Ensolum, LLC		BILL TO		1	1	1	ANAL	ANALISIS		VEWOLD	1	
Project Manager: Ben Belill		P.O. #:		-					_	_		
Address: 601 N Marienfeld Street, Suite 400	Suite 400	Company: XTO Energy, Inc.	y, Inc	_						_		
City: Midland	State: TX Zip: 79701	Attn: Colton Brown			_	_			_	_		
Phone #: 989-854-0852	Fax#:	Address: 3104 E Greene St	ne St						_	_		
Project #: 03C1558543	Project Owner: XTO Energy	City: Carlsbad		_	_							
Project Name: Corral Canyon 16-9 State Fed Com 121H	State Fed Com 121H - SPILLS	State: NM Zip: 88220	20		_							
Project Location: 32.122850,-103.9971932	3.9971932	Phone #:		_	_				_	_	_	
Sampler Name: Evan Roe		Fax #:		_	_	_				_	_	
Salliplei Nallie.	MATRIX	PRESERV. SAME	SAMPLING	_	_	_				_	-	
Lab I.D. Sample I.D.	(feet) Depth B)RAB OR (C)OMP. CONTAINERS ROUNDWATER JASTEWATER OIL	LUDGE THER: CID/BASE: CE / COOL OTHER:	TPH 8015	BTEX 8021	Chloride 4500							
46×7	2 1 2	<	958	-	7	1				-		
1763	. (1	4		1					
4)ms 6	0-2 6:1	< #- F-25	1030	1	7	+	+					
					-							
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		ract or fort, shall be limited to the amount pa y and received by Cardinal within 30 days aft ns, loss of use, or loss of profits incurred by	id by the client for the er completion of the ap client, its subsidiaries.	plicable								
affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of who	mance of services hereunder by Cardinal, regardless of whether such d	ther such claim is based upon any of the above stated reasons or ounerweet	Verbal Result:		☐ Yes	□ No	Add'l	Add'l Phone #:	*			
Relinquished By:	Unite: 35 Received by.	O MONO	All Results are emailed. BBelill@ensolum.com, T	re ema		ease promissey@	Please provide Email ac Morrissey@ensolum.com,	Please provide Email address: Norrissey@ensolum.com,	ress:			
mark	Received	JWWO	REMARKS: Incident Number: nAPP2427451370, nAPP2425666588	Incider	t Numb	er nAPP2	mber: nAPP2427451370, nAPP24256	nAPP24256	66588			



April 04, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 04/03/25 13:56.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/03/2025 Sampling Date: 04/03/2025

Reported: 04/04/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 / 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122850, -103.9971932

mg/kg

Sample ID: CS 09 0.5' (H251991-01)

BTEX 8021B

DIEX GOLLD	9	, «9	Andryzo	u 2 y : 3 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2025	ND	2.10	105	2.00	10.8	
Toluene*	<0.050	0.050	04/03/2025	ND	2.01	100	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/03/2025	ND	2.06	103	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/03/2025	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	04/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	320	16.0	04/04/2025	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2025	ND	208	104	200	1.13	
DRO >C10-C28*	99.0	10.0	04/03/2025	ND	200	100	200	0.537	
EXT DRO >C28-C36	<10.0	10.0	04/03/2025	ND					
Surrogate: 1-Chlorooctane	84.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.4	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/03/2025 Sampling Date: 04/03/2025

Reported: 04/04/2025 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 / 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: 14

Project Location: XTO 32.122850, -103.9971932

ma/ka

Sample ID: CS 11 0.5' (H251991-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2025	ND	2.10	105	2.00	10.8	
Toluene*	<0.050	0.050	04/03/2025	ND	2.01	100	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/03/2025	ND	2.06	103	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/03/2025	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300 0.300		04/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	320	16.0	04/04/2025	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	208	104	200	1.13	
DRO >C10-C28*	112	10.0	04/04/2025	ND	200	100	200	0.537	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					
Surrogate: 1-Chlorooctane 85.6 %		% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	84.5	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

Relinquished By:

Date:

Received By:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed lamp.

19.

Cool Intact
Yes Yes
No No Sample Condition

CHECKED BY:

Turnaround Time:

244/ Standard

Cool Intact

Yes Yes

No No

Bacteria (only) Sample Condition

Observed Temp. °C Corrected Temp, °C

REMARKS: Cost Center 1589641001,

1870051001

Bbelill@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com

Incident ID: nAPP2427451370, nAPP2425666588

AFE:

101 East Marland, Hobbs, NM 88240 atories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

		Will I THE	ANALYSIS REQUEST
Company Name: Ensolum, LLC		BILL IO	
Project Manager: Ben Belill		P.O. #:	
Address: 3122 National Parks Hwy		Company: XTO Energy Inc.	
	State: NM Zip: 88220	Attn: Colton Brown	
e#: 337 257-8307		Address: 3104 E. Green St.	
1558555	Project Owner: XTO	city: Carlsbad	
Project Name: Corral Canyon 16	Corral Canyon 16-9 Fed Com 121H	State: NM Zip: 88220	
1		Dhono #:	
Project Location:		Phone #:	
Sampler Name: Connor Whitman		Fax#:	
1	MATRIX	DRESERV SAMPLING	
Lab I.D. Sample I.D.	(feet) (Feet) (Sample Depth (C)OMP. #CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME	BTEX TPH CHLORIDE
2 CS11	444		
			2
PLEASE NOTE: Liability and Damagea. Cardinat's liability and clenit's exclusive remedy for any claim arising whether based in contract or fort, shall be limited for the amount para by one creen to or an analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in watering and received by Cardinal which 30 days after completion of the applicable analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unlesses made in yearing and received by Cardinal which 30 days after completion of the applicable service. In no severt shall Cardinal be liable for incidental or consecquential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no severt shall Cardinal be liable for incidental or consecquential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	ent's exclusive remedy for any claim arising whether based in contra cause whatsoever shall be deemed waived unless made in writing quental damages, including without limitation, business interruption	ract or fort, shall be limited to the amount paid by the chent of the and received by Cardinal within 30 days after completion of the a ris, loss of use, or loss of profits incurred by client, its subsidiaries	a applicable s,
affiliates or successors arising out of or related to the performance of services hereunder by Cardinal Relinquished By: Relinquished By: Relinquished By:	of services hereunder by Cardinal, regardless of whether such date: Received By:	regardless of whether such claim is based upon any or one above almost a verbal Result:	ult: □ Yes □ No Add'I Phone #:

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



APPENDIX D

NMOCD Approved Work Plan dated December 11, 2024



December 11, 2024

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

Re: Remediation Work Plan

Corral Canyon 16-9 State FED Com 121H

Incident Number nAPP2425666588 & nAPP2427451370

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan (Work Plan)* to document assessment and delineation activities completed to date and proposes remedial actions to address impacted soil identified at the Corral Canyon 16-9 State FED Com 121H (Site). The purpose of the Site assessment and delineation activities was to determine the presence or absence of impacted soil resulting from two produced water releases at the Site. The following *Work Plan* proposes to excavate impacted soil and conduct confirmation soil sampling.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 16, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.123183°, -103.9971386°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (SLO) under lease number V049020001 and Federal Land managed by the Bureau of Land Management (BLM).

On September 12, 2024, produced water piping valves were inadvertently left open resulting in the release of 680 barrels (bbls) of produced water into a temporary lined containment and onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 660 bbls of released fluids were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted an Initial C-141 Application (C-141) on September 13, 2024. The release was assigned Incident Number NAPP2425666588.

On September 30, 2024, a produced water flex line had a blowout which resulted in the release of 265 barrels (bbls) of produced water into a temporary lined containment and onto the surface of the well pad. Some of the released fluids sprayed beyond the containment walls. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 260 bbls of released fluids were recovered. XTO immediately reported the release to the NMOCD and submitted a C-141 on October 1, 2024. The release was assigned Incident Number nAPP2427451370.

When the release location information was submitted onto the NMOCD portal immediately after the release occurred for Incident Number nAPP2427451370, it was mistakenly submitted approximately 1.7 miles northwest of the Site. The release location information provided above is correct and was verified with photos collected from the Site immediately after the release occurred.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 882200 | ensolum.com

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is USGS well 320739103584201, located approximately 1.0 miles east of the Site. The groundwater well has a reported depth to groundwater of 140 feet bgs and a total depth of 192 feet bgs. The most recent depth to groundwater measurment was collected in January 1998. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 861 feet west of the Site. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (medium potential karst designation area). Potential Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

NMSLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW

Cultural Properties Protection

Since the release occurred on the well pad, the site is exempt from the Cultural Properties Protection Rule (CPP). As such, no additional cultural resource surveys were completed in connection with this release.

Biological Review

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils.

A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC)
resources indicated there are no critical wildlife habitats at the Site. Threatened and endangered
cactus species are potentially present in the area surrounding the Site; however, no native
vegetation outside of the well pad extent was disturbed during remediation activities.



- The site is underlain by unstable geology (medium karst) as described above. No other environmentally sensitive receptors were located near the Site, as determined by the Site Characterization.
- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type
 at the Site as gravelly loam. The release occurred on the caliche surface of the well pad limiting
 contact with potentially sensitive native soil.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On October 11, 2024, Ensolum personnel conducted a Site assessment to evaluate the release extent based on information provided on the C-141, information provided by XTO, and visual observations. The release extent areas and lined containment were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. A 48-hour advance notice of the liner inspection was submitted, and the lined containment was inspected by Ensolum personnel. Results indicated the liner was not operating as designed. While the floor of the liner appeared to be intact and no holes were found, a small tear in the side of the liner was observed. Six delineation soil samples (SS01 through SS06) were collected at a depth of 0.5 feet bgs within of the release extent. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. A photographic log of the Site assessment and liner inspection activities are included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

On November 14 and 15, 2024, Ensolum returned to the Site to oversee delineation activities. Eight potholes (PH01 through PH08) were advanced via heavy equipment to investigate the vertical extent of the releases. The potholes were advanced to depths ranging from 1 feet to 3 feet bgs. Discrete soil samples were collected from each pothole at depths ranging from 0.5 feet to 3 feet bgs. One borehole (BH01) was advanced adjacent to the tear in the sidewall of the liner utilizing a hand auger. Borehole BH01 was advanced to 1-foot bgs, where auger refusal was encountered. All delineation soil samples were field screened by the same methods as stated above. In order to fully define the lateral extent of the releases, ten additional delineation soil samples (SS07 through SS17) were collected just outside the release extents and the lined containment area at a depth of 0.5 feet bgs. Following the delineation activities, the tear in the sidewall and the tear caused by advancing BH01 were patched. Field screening results and observations for all potholes and BH01 were logged on lithologic/soil sampling logs, which are included as Appendix C. The soil sample locations were mapped utilizing a handheld GPS unit and the delineation soil sample locations are depicted on Figure 2. Photographic documentation was collected during all site visits and is presented in Appendix B.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS04 and PH08/PH08A indicated TPH concentrations exceeded Closure Criteria. Laboratory analytical results for SS03 through SS05, and BH01 indicated chloride concentrations exceeded Closure Criteria.



Laboratory analytical results for all other delineation soil samples collected indicated all COC concentrations were below Closure Criteria. This includes the terminal depth of BH01 and all delineation potholes advanced except for PH08, near where the release occurred and refusal with backhoe was encountered. This also includes all lateral soil samples collected and thus, defines the release areas laterally. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included in Appendix D.

PROPOSED REMEDIATION WORK PLAN

Site assessment and delineation activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the two produced water releases. Based on laboratory analytical results from delineation soil samples impacted soil exists across an approximate 2,020 square-foot area within the release extent at depths ranging from 0.5 feet bgs to an exceedance of 3 feet bgs. Due to backhoe refusal at 3 feet bgs in PH08, vertical definition was not achieved in that area but was achieved in all other potholes. The lateral extent of the release is defined through laboratory analytical results of soil samples SS07 through SS17.

XTO proposes to complete the following remediation activities:

- Excavation of impacted soil in the areas of SS03 through SS05, PH08/PH08A, and BH01. Excavation will proceed laterally and vertically until confirmation soil samples confirm all COC concentrations are compliant with the Closure Criteria. Since utilization of a backhoe resulted in refusal, a trackhoe will be utilized. Based on delineation soil sample laboratory analytical, excavation depths is expected to range from 0.5 feet to an exceedance of 3 feet bgs. The proposed excavation extent is depicted on Figure 3. XTO is aware that BH01 collected within the temporary lined containment exceeds chloride concentrations for 0.5 feet bgs. Once the temporary lined containment is removed, the excavation will extend westward until the area of BH01 is included.
- In the release extent areas where delineation soil sample data is in compliance with the Closure Criteria, 5-point composite confirmation soil samples will be collected at least every 200 square feet on the surface of the facility pad, within the release extent. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. If laboratory analytical results indicate any of the confirmation soil samples exceed the closure criteria, further excavation of impacted soil will be conducted in the affected area.
- An estimated 230 cubic yards of impacted soil will be excavated in a 2,020 square foot area. The impacted soil will be transferred to a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing Site conditions with caliche material purchased locally.

XTO believes this *Work Plan* is protective of human health, the environment, and groundwater. As such, XTO requests approval of this *Work Plan* by NMOCD. XTO will complete the excavation and soil sampling activities within 90 days of the date of approval of this *Work Plan* by the NMOCD.

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



Sincerely, **Ensolum, LLC**

Benjamin J. Belill Senior Geologist

cc: Dale Woodall, XTO

JSnJ. Delill

Kaylan Dirkx, XTO

BLM

Tacoma Morrissey, MS Associate Principal

Mouissey

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Proposed Excavation Extent
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

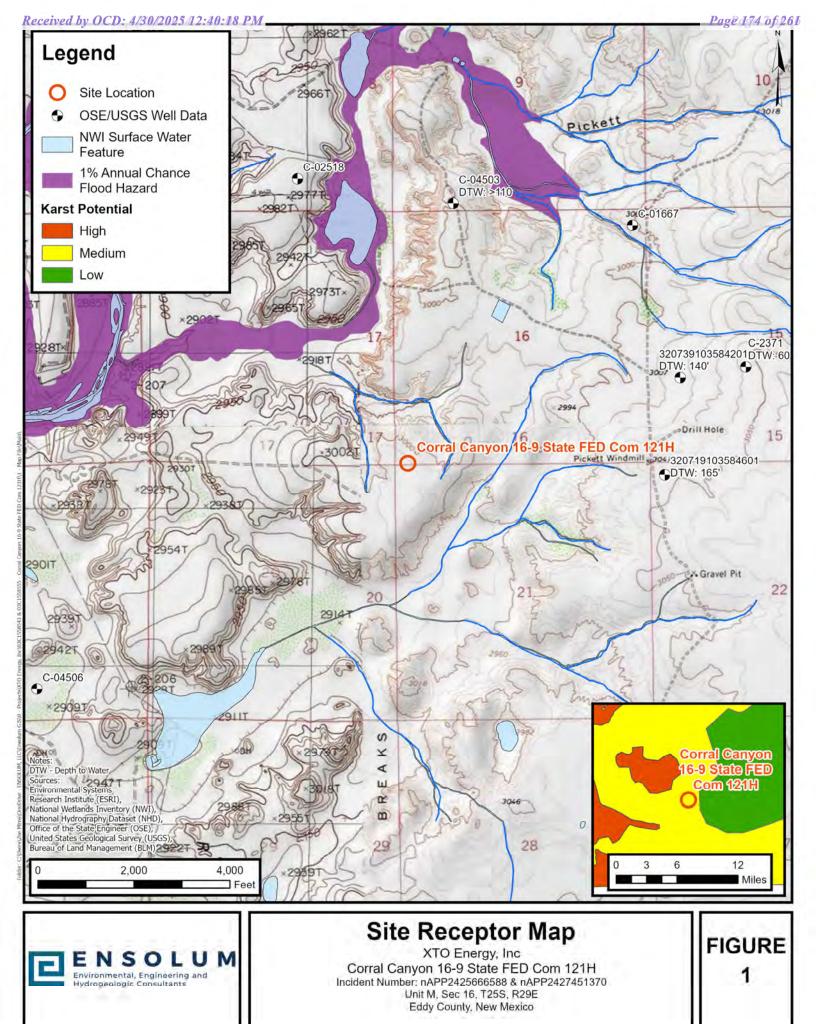
Appendix B Photographic Log

Appendix C Lithologic / Soil Sampling Logs

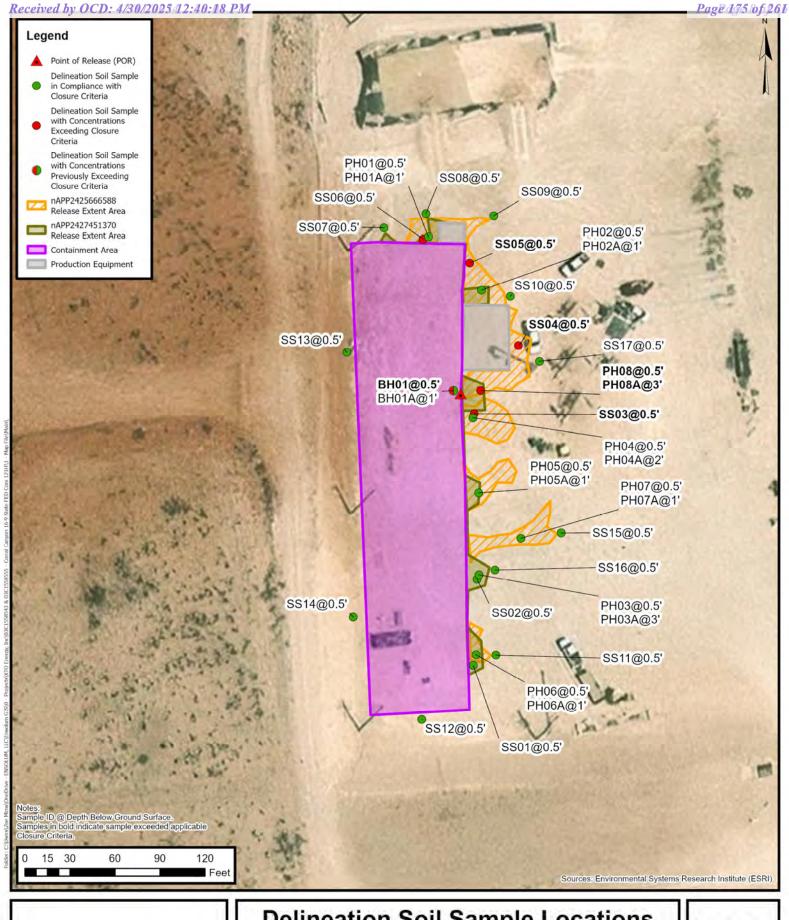
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES



Released to Imaging: 6/25/2025 2:00:32 PM

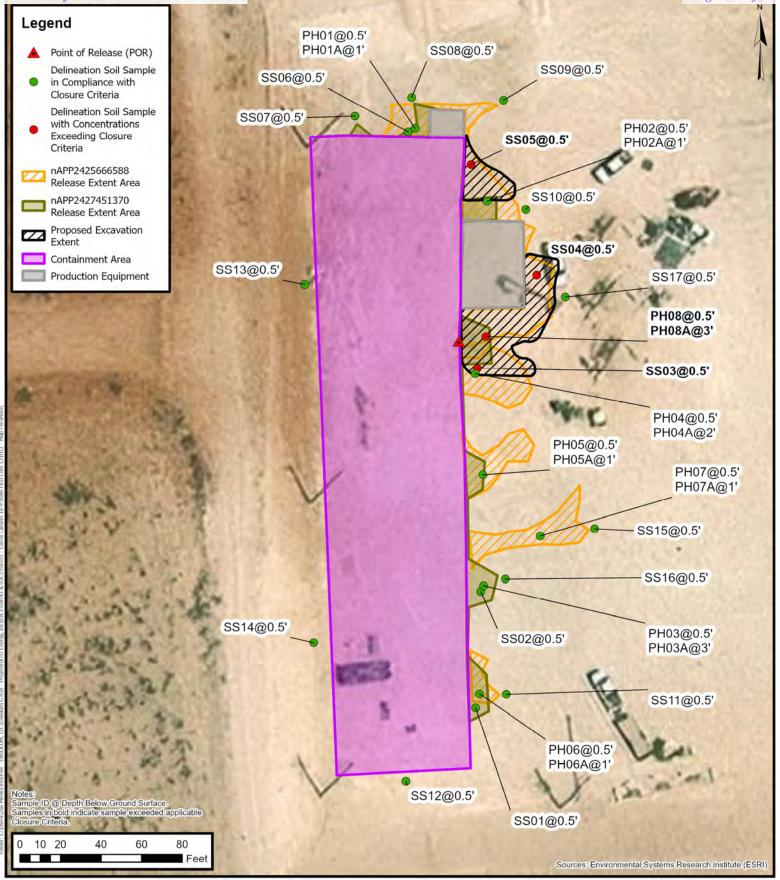




Delineation Soil Sample Locations

XTO Energy, Inc. Corral Canyon 16-9 State FED Com 121H Incident Number: nAPP2425666588 & nAPP2427451370 Unit M, Sec 16, T25S, R29E Eddy County, New Mexico

FIGURE 2





Proposed Excavation Area

XTO Energy, Inc Corral Canyon 16-9 State FED Com 121H Incident Number: nAPP2425666588 & nAPP2427451370 Unit M, Sec 16, T25S, R29E Eddy County, New Mexico FIGURE 3



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corral Canyon 16-9 State FED COM 121H / Incident Numbers nAPP2425666588 / nAPP2427451370 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 CI	osure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Delir	neation Soil Sa	mples				
SS01	10/11/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SS02	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS03	10/11/2024	0.5	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,550
SS04	10/11/2024	0.5	<0.050	<0.300	64.1	13,200	110	13,300	13,400	1,420
SS05	10/11/2024	0.5	<0.050	<0.300	<10.0	19.5	<10.0	19.5	19.5	608
SS06	10/11/2024	0.5	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS07	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS08	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS09	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS10	11/14/2024	0.5	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS11	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS12	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SS13	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS14	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SS15	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SS16	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS17	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH01	11/15/2024	0.5	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
BH01A	11/15/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PH01	11/14/2024	0.5	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH01A	11/14/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
PH02	11/14/2024	0.5	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
PH02A	11/14/2024	1	< 0.050	<0.300	<10.0	14.3	<10.0	14.3	14.3	272
PH03	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PH03A	11/15/2024	3	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PH04	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PH04A	11/14/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PH05	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH05A	11/14/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH06	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PH06A	11/14/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

Ensolum

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corral Canyon 16-9 State FED COM 121H / Incident Numbers nAPP2425666588 / nAPP2427451370 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 Cl	osure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
PH07	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH07A	11/15/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH08	11/14/2024	0.5	<0.050	<0.300	<10.0	1,430	<10.0	1,430	1,430	576
PH08A	11/14/2024	3	< 0.050	<0.300	10.6	976	<10.0	987	987	544

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

Ensolum



APPENDIX A

Referenced Well Records



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources



Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- How are we doing? We want to hear from you. Take our quick survey to tell us what you think.

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list =

_no list =

• 320739103584201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320739103584201 25S.29E.15.31134

Eddy County, New Mexico
Latitude 32°07'39", Longitude 103°58'42" NAD27
Land-surface elevation 3,017 feet above NAVD88
The depth of the well is 192 feet below land surface

The depth of the well is 192 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Output formats
Table of data
Tab-separated data
Graph of data
Reselect period

1983-02-01 1983-02-01 1983-02-01 1987-10-20 1987-10-20 1987-10-20 1992-11-06 1992-11-06	Time	?								
1983-02-01 1983-02-01 1987-10-20 1987-10-20 1987-10-20 1992-11-06 1992-11-06	Time	Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-02-01 1983-02-01 1987-10-20 1987-10-20 1987-10-20 1992-11-06 1992-11-06										
1983-02-01 1987-10-20 1987-10-20 1987-10-20 1992-11-06 1992-11-06		D	62610		2875.02	NGVD29	1	Z		
1987-10-20 1987-10-20 1987-10-20 1992-11-06 1992-11-06		D	62611		2876.60	NAVD88	1	Z		
1987-10-20 1987-10-20 1992-11-06 1992-11-06 1992-11-06		D	72019	140.40			1	Z		
1987-10-20 1992-11-06 1992-11-06 1992-11-06		D	62610		2875.09	NGVD29	1	Z		
1992-11-06 1992-11-06 1992-11-06		D	62611		2876.67	NAVD88	1	Z		
1992-11-06 1992-11-06		D	72019	140.33			1	Z		
1992-11-06		D	62610		2874.61	NGVD29	1	S		
		D	62611		2876.19	NAVD88	1	S		
		D	72019	140.81			1	S		
1998-01-29		D	62610		2874.52	NGVD29	1	S		
1998-01-29		D	62611		2876.10	NAVD88	1	S		
1998-01-29		D	72019	140.90			1	S		

	Explanation									
Section	Code	Description								

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

Questions or Comments <u>Help</u> Data Tips **Explanation of terms** Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2024-10-17 17:32:38 EDT

0.34 0.25 nadww01





APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H Incident Numbers nAPP2425666588 & nAPP2427451370





Photograph: 1 Date: 9/13/2024

Description: Site assessment, release extent area.

View: South

Photograph: 2 Date: 10/1/2024 Description: Site assessment, release extent area.

View: Northwest





Photograph: 3 Date: 10/11/2024

Description: Liner inspection activities, facility sign.

View: Northeast

Photograph: 4 Date: 10/11/2024

Description: Liner inspection activities.

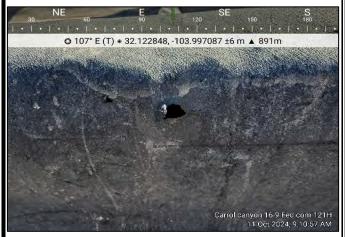
View: Northwest



Photographic Log

XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H Incident Numbers nAPP2425666588 & nAPP2427451370





Photograph: 5 Date: 10/11/2024

Description: Liner tear on sidewall of containment

View: West

Photograph: 6 Date: 10/11/2024

Description: Liner inspection activities.

View: Southeast





Photograph: 7 Date: 10/11/2024

Description: Liner inspection activities.

View: South

Photograph: 8 Date: 10/11/2024

Description: Liner inspection activities.

View: East



Photographic Log

XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H Incident Numbers nAPP2425666588 & nAPP2427451370





Photograph: 9 Date: 11/14/2024

Description: Delineation activities, near release point.

View: Northwest

Photograph: 10 Date: 11/14/2024

Description: Delineation activities, PH08.

View: South





Photograph: 11 Date: 11/15/2024

Description: Liner delineation activities, BH01.

View: South

Photograph: 12 Date: 11/20/2024

Description: BH01 patched.

View: N/A



APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: PH01	Date: 11/14/2024	
	7		N.I				R.A	Site Name: Corral Canyon 16-9 Sta	l .	
			IN	3	U	L U	V	Incident Number: nAPP242566658		
								Job Number: 03C1558543 / 03C1558555		
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: JB	Method: Backhoe	
Coord		2.123129						Hole Diameter: 16"	Total Depth: 1'	
					ith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respec	·	
			_				•	factors included.	,	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des		
М	168	0.6	Υ	PH01	0.5	<u> </u>	CCHE	0-1', CALICHE, tan, moist, ve moderately consolidated, s staining, no odor, fill.	ery sandy, some light brown	
M	201	1.4	N	PH01A	1	1	TD	@ 0.5', no stain. Total depth @ 1' bgs, refusa	ıl.	
					-	2				
					-	-				
					- -	3				
					- - -	- - 4				
					- - -	- _ 5 -				
					- - -	- _ 6				
					- - - -	- - 7				
					- - - -	- - 8 -				
					_ _ _	- - 9				
					 - - -	10				
						11				
					<u> </u>	_ 				

								Sample Name: PH02	Date: 11/14/2024
							B .4	Site Name: Corral Canyon 16-9 Sta	
			N	3	U	LU	IV	Incident Number: nAPP24256665	
								Job Number: 03C1558543 / 03C1	
		LITHOL	OGI	C / SOIL S	SAMPLING	GLOG		Logged By: JB	Method: Backhoe
Coordi				3.997068				Hole Diameter: 16"	Total Depth: 1'
Comm	ents: Fie	ld screen	ing c	onducted w				PID for chloride and vapor, respect factors included.	ctively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	·
M	369 470	0.7	Y	PH02 PH02A	0.5	0	CCHE	0-1', CALICHE, tan, moist, v moderately consolidated, staining, no odor, fill. @ 0.5', no stain.	
						2	TD	Total depth @ 1' bgs, refus	al.

LITHOLOG	1 5	0 1			Site Name: Corral Canyon 16-9 Stat	Date: 11/15/2024	
	V 3				Site Name: Corrai Canyon 16-9 Stai	te FED COM 121H	
			_ U	IVI	Incident Number: nAPP242566658		
LITHOLO					Job Number: 03C1558543 / 03C1558555		
	SIC / SOIL	SAMPLING	LOG		Logged By: JB Method: Backhoe		
Coordinates: 32.122508, -:					Hole Diameter: 16"	Total Depth: 3'	
		vith HACH Ch	nloride Test :	Strips and	PID for chloride and vapor, respect	·	
performed with 1:4 dilutio						,	
Moisture Content Chloride (ppm) Vapor (ppm)	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Desc	·	
M 733 1.1	/ PH03	0.5	0 -	CCHE	0-1', CALICHE, tan, moist, ve moderately consolidated, s staining, no odor, fill.	ry sandy, ome light brown	
M 667 1.9 I	, I	1 _	_ 1		@ 0.5', no stain.		
			<u>-</u>	CCHE	1'-3', CALICHE, pale light red well consolidated, no stain,	, moist, very silty, no odor.	
M 667 2.5 r	J	2	_ 2				
		-	- -				
M 201 0.7 I	РН03А	3	3				
		_	-	TD	Total depth @ 3' bgs.		
		_	4				
]	-				
]	5				
]	-				
		_	6				
		_	-				
			7				
		-	<u>-</u>				
		-	8				
		-	- -				
		-	9				
		-	<u>-</u>				
			10				
		-	_ 11				
		-	- 11				
		-	- - 12				

								Sample Name: PH04	Date: 11/14/2024
	7		N.I				R.A	Site Name: Corral Canyon 16-9 Sta	
			N	3	U	LU	IV	Incident Number: nAPP242566658	
								Job Number: 03C1558543 / 03C15	
		LITHOI	OGI	c / sou s	SAMPLING	G LOG		Logged By: JB	Method: Backhoe
Coord		2.122795						Hole Diameter: 16"	Total Depth: 2'
					ith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respec	
			_					factors included.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	C USCS/Rock E Symbol	Lithologic Des	·
М	252	2.0	Υ	PH04	0.5	- -	CCHE	0-1', CALICHE, tan, moist, ve moderately consolidated, s staining, no odor, fill. @ 0.5', no stain.	some light brown
М	252	2.8	N		1	1	ССНЕ	1'-2', CALICHE, pale light rec well consolidated, no stain	d, moist, very silty, , no odor.
М	420	1.4	N	PH04A	2	_ 2			
101	420	1.7	14	111047			TD	Total depth @ 2' bgs.	
					-	- 3			
					-	- , -			
					-	4			
					- -	- _ 5			
					- - -	6			
					-	7			
					- - -	- - - 8			
					- - -	- -			
					- - -	9			
					- - -	10			
					- - -	11			
					-	- 12			

								Sample Name: PH05	Date: 11/14/2024	
	7		N.I				R.A	Site Name: Corral Canyon 16-9 Sta		
			N	3	U	LU	IV	Incident Number: nAPP242566658		
								Job Number: 03C1558543 / 03C1558555		
		LITHOI	OGI	c / soli s	SAMPLING	GLOG		Logged By: JB	Method: Backhoe	
Coord		2.122657					Hole Diameter: 16"	Total Depth: 1'		
					ith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respec	·	
			_					factors included.		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des		
М	330	1.0	Υ	PH05	0.5 <u> </u>	<u> </u>	CCHE	0-1', CALICHE, tan, moist, ve moderately consolidated, s staining, no odor, fill. @ 0.5', no stain.	ery sandy, some light brown	
М	330	1.1	N	PH05A	1 _	1	TD	Total depth @ 1' bgs.		
					-	2				
					-	- ' -				
					- - -	3				
					- - -	- - 4 -				
					- - -	- _ 5 -				
					- - -	6				
					- - -	7				
					- - -	- _ 8 -				
					- - -	- _ 9				
						10				
					- - - -	_ 11 				
					-	<u> </u>				

								Sample Name: PH06	Date: 11/14/2024
	7						R.A	Site Name: Corral Canyon 16-9 Sta	
			N	3	U	LU	IV	Incident Number: nAPP242566658	
								Job Number: 03C1558543 / 03C15	
		LITHOI	OGI	c / soli s	SAMPLING	GLOG		Logged By: JB	Method: Backhoe
Coord		2.122362						Hole Diameter: 16"	Total Depth: 1'
					ith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respec	· ·
			_				•	factors included.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	
М	526	1.5	Υ	PH06	0.5 <u> </u>	<u> </u>	CCHE	0-1', CALICHE, tan, moist, ve moderately consolidated, s staining, no odor, fill.	ery sandy, some light brown
М	252	1.2	N	PH06A	1 _	1	TD	@ 0.5', no stain. Total depth @ 1' bgs.	
					-	2			
					-	-			
					_	3			
					- - -	- - 4			
						- - 5			
					- - -	<u>-</u> _ 6			
					_ - -	7			
					- - -	- 8			
					- - -	- _ 9 -			
					- - -	_ _ 10			
					 - -	- 11			
					<u> </u>	- 12			

								Sample Name: PH07	Date: 11/15/2024
1	7						B .4	Site Name: Corral Canyon 16-9 Sta	
			N	3	U	LU	V	Incident Number: nAPP24256665	
								Job Number: 03C1558543 / 03C15	
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: JB	Method: Backhoe
Coord		2.122572						Hole Diameter: 16"	Total Depth: 1'
Comm	ents: Fie	ld screen	ing c	onducted v				PID for chloride and vapor, respectators included.	ctively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	·
М	179	0.7	Υ	PH07	0.5 -	0 - -	CCHE	0-1', CALICHE, tan, moist, vo moderately consolidated, staining, no odor, fill. @ 0.5', no stain.	ery sandy, some light brown
M	179	0.9	N	PH07A	1	_ 1	TD	Total depth @ 1' bgs.	
					-	- - 2			
					-	-			
					<u>-</u>	3			
						5			
					- - -	- - 6			
					- - -	7			
					- - -	- - 8			
					- - -	- _ 9 -			
					- - -	10			
					- - -	11			
					-	12			

								Sample Name: PH08	Date: 11/14/2024	
7	7							Site Name: Corral Canyon 16-9 Sta		
			N	3	OI	LU	V	Incident Number: nAPP242566658		
								Job Number: 03C1558543 / 03C1558555		
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: JB Method: Backhoe		
Coord		2.122844						Hole Diameter: 16"	Total Depth: 3'	
			_					PID for chloride and vapor, respectators included.	tively. Chloride test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	·	
М	955	49.2	Υ	PH08	0.5	L 0	CCHE	0-1', CALICHE, tan, moist, ve moderately consolidated, s staining, no odor, fill.	ery sandy, some light brown	
М	778	57.0	N		1 _	1	ССНЕ	@ 0.5', no stain. 1'-3', CALICHE, pale light rec	d, moist, very silty,	
М	528	39.8	N		2	2		well consolidated, no stain	i, no odor.	
М	935	55.0	N	PH08A	3	3				
						- - - 4	TD	Total depth @ 3' bgs, refusa	al.	
					- - - -	- - - 5				
					- - -	- - 6				
					- - -	- - 7				
					- - -	- _ 8 -				
					- - -	- - 9				
					- -	10				
					- - -	11				
					-	- 12				

								Sample Name: BH01	Date: 11/15/2024
							B.4	Site Name: Corral Canyon 16-9	
			N		U	LU	V	Incident Number: nAPP242566	
								Job Number: 03C1558543 / 03C	
		LITHOL	OGI	C / SOIL S	SAMPLING	GLOG		Logged By: JB	Method: Hand auger
Coord		2.122843						Hole Diameter: 16"	Total Depth: 1'
Comm	ents: Fie	ld screen	ing c	onducted v				PID for chloride and vapor, resp factors included.	pectively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	•
М	711	0.8	N	BH01	0.5 <u> </u>	<u> </u>	CCHE	0-1', CALICHE, tan, moist, moderately consolidated	very sandy, d, no stain, no odor.
М	330	0.7	N	вно1А	1 -	1	TD	Total depth @ 1' bgs.	
					-	2			
					- - -	3			
					- - -	- - - 4			
					- - -	- - 5			
					-	6			
					- - -	7			
					- - -	- - 8			
					- - -	9			
					- - -	10			
					- - -	11			
					-	- 12			



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



October 16, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 STATE FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 10/14/24 11:38.

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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/14/2024 Sampling Date: 10/11/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact Project Number: 03C1558543 Sample Received By: Alyssa Parras

Project Location: XTO 32.123183-103.9971386

Sample ID: SS 01 .5' (H246234-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	10/15/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	232	116	200	5.95	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	221	110	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/14/2024 Sampling Date: 10/11/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: 14

Project Location: XTO 32.123183-103.9971386

ma/ka

Sample ID: SS 02 .5' (H246234-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/15/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	232	116	200	5.95	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	221	110	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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Celey D. Kreine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/14/2024 Sampling Date: 10/11/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.123183-103.9971386

mg/kg

Sample ID: SS 03 .5' (H246234-03)

BTEX 8021B

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	10/15/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2024	ND	205	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	10/14/2024	ND	200	100	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	10/14/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/14/2024 Sampling Date: 10/11/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: 14

Project Location: XTO 32.123183-103.9971386

ma/ka

Sample ID: SS 04 .5' (H246234-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	0.284	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 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	1420	16.0	10/15/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	64.1	50.0	10/15/2024	ND	205	102	200	7.50	
DRO >C10-C28*	13200	50.0	10/15/2024	ND	200	100	200	8.72	
EXT DRO >C28-C36	110	50.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	136	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	393	% 49.1-14	8						

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Celey D. Keens



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/14/2024 Sampling Date: 10/11/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: 14

Project Location: XTO 32.123183-103.9971386

ma/ka

Sample ID: SS 05 .5' (H246234-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/15/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2024	ND	205	102	200	7.50	
DRO >C10-C28*	19.5	10.0	10/14/2024	ND	200	100	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	10/14/2024	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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Celey & Kreene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/14/2024 Sampling Date: 10/11/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.123183-103.9971386

mg/kg

Sample ID: SS 06 .5' (H246234-06)

BTEX 8021B

DIEX GOZID	1119/	<u>ka</u>	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 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	304	16.0	10/15/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2024	ND	205	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	10/14/2024	ND	200	100	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	10/14/2024	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

Relinquished By:

Time:

Received By:

REMARKS:

Cost Center:

1870051001 Incident ID: nAPP2425666588

BBelill@ensolum.com

TMorrissey@ensolum.com,

kthomason@ensolum.com

Time:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

C. 1 6 2. dwel personal

Sample Condition
Cool Intact
Pes Pes
No No

CHECKED BY: (Initials)

Turnaround Time:

meter ID #1

#1330/UD HCh

Cool Intact

Corrected Temp. °C

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:	Ensolum, LLC						BILL TO			1		A	ANAL YSIS		REQUEST	TSE		
Project Manager: Ben Belill	: Ben Belill					P.O. #:			٦		7	-		- 1	1	1		
Address: 3122 I	Address: 3122 National Parks Hwy	y				Company:	Company: XTO Energy Inc.	rgy Inc.				_						
city: Carlsbad	d	State: NM	Zip	Zip: 88220		Attn: Colt	Attn: Colton Brown						_		_			
Phone #: 989-	989-854-0852	Fax #:				Address: 3	Address: 3104 E. Green St.	een St.										
Project #: 03C	03C1558543	Project Owner:	vner:	OLX		city: Carlsbad	sbad					_						
Project Name:	Corral Canyon 16-9 State FED Com 121H	6-9 State FEI	000	m 121H		State: NM	Zin: 88220	20										
Project Location:		9971386				Phone #:						_						
Sampler Name: Jesse Dorman	Jesse Dorman					Fax #:							_					
FOR LAB USE ONLY				MATRIX	RIX	PRESERV	٦	SAMPLING				_				_		
Lab I.D.	Sample I.D.	Sample Depth	OR (C)OMP.	AINERS DWATER WATER	1				X		ORIDE							
Kenhar	1055	1/0		GF	SL	ICE	V 0	ATE TIME	E	T	C	+	†	t	T		T	1
<u></u>	6055				+		W	226	1	1	//	+	+	T	Ť			1
W	2095							040		1	1	+	1	1	T			
C	1055		-					246	1	1	/	+	1	1	1			
N	5065	_	~					1000	1	1	1	+	1	1	1			1
6	5506	+	4	*		4	4	1025	1	1								
	1		П							Ш	-	+						
	10		_								+							-
EASE NOTE: Liability and lalyses. All claims including vice. In no event shall Card liates or successors arising	PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the arranges. All claims including those for negligence and any other cause whatboever shall be deemed walved unless made in writing and received by Cardinal within 3D days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	nt's exclusive remedy for an ause whatsoever shall be di juental damages, including of services hereunder by Ca	y claim a semed w without is	rising whether based in raived unless made in w mitation, business inten	contract o	or tort, shall be limite received by Cardina iss of use, or loss of	d to the amount pak within 30 days after profits incurred by d	by the client for the completion of the lient, its subsidiarie	applicable		-	1	1					-
Relinquished By:		Date: 10-14-24	Rec	Received By:	Ci Cesti o	osser opon say of	ties avode settle	Verbal Result: All Results are	ult:	□ Yes	Please pr	Add"	Add'l Phone #:	#	П			
Can)	Time:)					All results are entailed. Please provide Email address:	ale elli	diled.	Please pro	OVIGE EN	nall add	iress:				

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



November 20, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 STATE FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/24 12:25.

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 BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact Project Number: 03C1558543 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: XTO 32.122774-103.997254

Sample ID: PH 01 0.5 (H247012-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/19/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: PH 02 0.5 (H247012-02)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/19/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: PH 04 0.5 (H247012-03)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/19/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: PH 07 0.5 (H247012-04)

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	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/19/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: BH 01 0.5 (H247012-05)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	11/19/2024	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: PH 01A 1 (H247012-06)

BTEX 8021B

DILX GOZID	11197	- Kg	Alldiyac	.u by. 511						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEX	<0.300	0.300	11/18/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4							
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/19/2024	ND	400	100	400	7.69		
TPH 8015M	mg,	/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28		
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67		
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND						
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8							

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: PH 02A 1 (H247012-07)

BTEX 8021B

DILX GOZID	mg/	- Kg	Alldiyac	.u by. 511						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEX	<0.300	0.300	11/18/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4							
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	11/19/2024	ND	400	100	400	7.69		
TPH 8015M	mg,	/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28		
DRO >C10-C28*	14.3	10.0	11/18/2024	ND	211	105	200	1.67		
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND						
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	84.6	% 49.1-14	8							

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: PH 04A 2 (H247012-08)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	ed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/19/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: PH 07A 1 (H247012-09)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Alldiyzo	a by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 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	112	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: Sampling Type: Soil 11/20/2024

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558543 Alyssa Parras

Project Location: XTO 32.122774-103.997254

Sample ID: BH 01A 1 (H247012-10)

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	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: Sampling Type: Soil 11/20/2024

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558543 Alyssa Parras

Project Location: XTO 32.122774-103.997254

Sample ID: SS08 0.5 (H247012-11)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: SS 09 0.5 (H247012-12)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 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	240	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact
Project Number: 03C1558543 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122774-103.997254

mg/kg

Sample ID: SS 10 0.5 (H247012-13)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: Sampling Type: Soil 11/20/2024

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558543 Alyssa Parras

Project Location: XTO 32.122774-103.997254

Sample ID: SS 15 0.5 (H247012-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: Sampling Type: Soil 11/20/2024

Project Name: CORRAL CANYON 16-9 STATE FED COM Sampling Condition: Cool & Intact Project Number: 03C1558543 Sample Received By: Alyssa Parras

Project Location: XTO 32.122774-103.997254

Sample ID: SS 17 0.5 (H247012-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

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Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Relinquished By:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Tamp. "C 2.00

Sample Condition
Cool Intact
Wes Xes
No No

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Cool Intact

Corrected Temp. °C

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

hermometer ID

REMARKS: APP 24 25 666 588 Cost Center: 187005 (00)

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

Time: Date: Time:

Received By:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	ľ		110						
Company Name: Ensolum, LLC	Ensolum, LLC			BII	BILL TO				ANALYSIS REQUEST
Project Manager:	"Ben Belil			P.O. #:			\dashv		
Address: 3122 N	Address: 3122 National Parks Hwy			Company: XTO Energy Inc	O Energy Inc	.,	_		
City: Carlsbad		State: NM	Zip: 88220	Attn: Colton Brown	Brown		_		
Phone #: 969	2580 458	Fax #:		Address: 3104 E Green	4 E Green St		_		
Project #: 0301558	24 5855	Project Owner: XTO	er: XTO	City: Carlsbad	۵.		_		
Project Name: Corral	orral Canyon 16-	1 State 1	Fed COM 1214	State: NM	Zip: 88220				
Project Location:	: 32.12774	,-103.9g-	1521	Phone #:			_		
Sampler Name: Joshua Boxley	Joshua Boxley			Fax #:			_		
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING	G			
Lab I.D.	Sample I.D.	Depth (feet)	G)RAB OR (C)OMP CONTAINERS GROUNDWATER VASTEWATER SOIL DIL SLUDGE	OTHER: ACID/BASE: CE / COOL OTHER:	DATE	Sabrionio	Chlorides	X3T8	
	PHOI	0,5	_ ×	×	1 1/24 1	0111	$\frac{\times}{}$	X	
	PH02	~		- 1	11 14.24 1	1 000	,	1	
W	PIHOH				11.14.24 17	1355			
4	P1-107				1 12511	1215			
S	BH01	5.0			111524 11	110			
	PHOIA	-			11/124 11	7			
J	PH024	_			21 1/21/11	225			
	PTOBLA	2'			11 12 11 11	170			
2	PHOTA	1			1154 1	1217	_		
10	BHOLA		K I I D	*	11,1524 14	415 7	\ \ \		
PLEASE NOTE: Liability an analyses. All daims includin service. In no event shall Ca affiliates or successors arisin	PLEASE NOTE: Liability and Damages. Cardinal's liability and clie arealyses. In claim is including those for negligence and any other service. In no event shall Cardinal be liable for incidental or conse- service. In no event shall Cardinal be liable for incident	ent's exclusive remedy for cause whatsoever shall be equental damages, including an applicable to the cause when the cause whe	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the arralyses. All dains including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for includental or consequental damages, including whose limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiates, affiliates or successors added not of or related to the performance of accessors including whose includents are to the client for the accessor of the accessors and the consequence of the accessors of the accessors are the client for the accessor of the accessors are determined by the consequence of the accessors are determined by the consequence of the accessors are determined by the accessor of the accessors are accessors.	ect or tort, shall be limited to and received by Cardinal will s, loss of use, or loss of pro	the amount paid by this 30 days after comfits incurred by client, in	e client for the pletton of the appleton of th	plicable	-	
Relinquished By:	My W.		Date: Received By:	and other states of the states	-	Verbal Result:		Yes	Verbal Result: ☐ Yes ☐ No Add'i Phone #:
2	1 200/1	Time:)		N	BBe111	@ens	olum.com	@ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company Name: Ensolum, LLC Project Manager: Gen Fell Address: 3122 National Parks H City: Carlsbad Phone #: 950 954 6857	Company Name: Ensolum, LLC Project Manager: Gew Felil Address: 3122 National Parks Hwy City: Carlsbad Phone #: 959 957 Fax #:	AX (5/5) 393-24 State: NM Fax #:	Zip: 8	Zip: 88220	P.O. Com Attn:	P.O. #: Company: XTO Ene Attn: Colton Brown Address: 3104 E G	BILL y: XTO I ton Bro	P.O. #: Company: XTO Energy Inc Attn: Colton Brown Address: 3104 E Green St		nc nc	nc	nc	nc St			ANALYSIS	ANALYSIS		ANALYSIS
Phone #: 184 954 6 Project #: 03015585	5 0	Fax #: Project Owner: XTO	: XTO		City:	Address: 3104 City: Carlsbad	shad	E Green	2										
Project Name: Corral	breal Canyon 16	- 9 State F	Co C	Com 1217	State	State: NM		Zip: 88220					_						
Project Location: 37	.12277	,-103.99-	1250	4	Phor	Phone #:													
Sampler Name: Joshua Boxley	Joshua Boxley				Fax #:	#						_	_						
FOR LAB USE ONLY			IP.	MATRIX	7	PRESERV	RV.	SAMPLING	ING				_						
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMF	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	Chlorides	НЧТ	X∃T8							
1	8008	0.5	_	×		×		12/11	3	×	×	*	+	+					
ē	4509	_	Ξ					114.24	2m2				+	+					
13	018							-	000		-		-	+	+				
14	27 65	1	-	2	1	2		16.7	220	5	3	4	+	+	1				
15	1166	0.7	_			9	/ -		1	>			-	H				1	SAC
								11-18-04	PP			1	+	H	1				
						+							+	+	+	T			
						-0							-	\vdash	+				
PLEASE NOTE: Liability analyses. All daims indus	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable of the applicab	d client's exclusive remedy for their cause whatsoever shall be	any claim e deemed	arising whether based in contradiction waked unless made in writing to the contradiction business information	act or tort, and receiv	shall be I wed by Ca	imited to rdinal with	the amount paid hin 30 days after its incurred by di	by the client for completion of the ent, its subsidia	the te applical ties,	ole								
service, sind even and	Milates or successors arising out of or related to the performa	ance of services hereunder by	Cardinal,	rvices hereunder by Cardinal, regardless of whether such daim is based upon any of the above st	im is base	d upon a	ny of the	above stated rea	sons or otherwise.	sult:	7	☐ Yes ☐ No Add'l Phone #:	A	d'l Ph	one #:				
Relinquished By	The second	Time:	Z	Received By:					All Results are emailed. Please provide Email address: \$\forall \text{Pic} \lambda \lambda Morrissey@ensolum.om, TMorrissey@ensolum.om, TMorrissey@ensolum.om, TMorrissey@ensolum.om, TMorrissey@ensolum.om, TMorrissey@ensolum.om, TMorrissey@ensolum.om, TMORRISSEQUE, TMORRISSEQU	s are e	mailed genso	mailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com, KThomason@ersolum.com ?1475665596 ********************************	TMorris	Email isey@	all address: @ensolum.com, KTho	Som, K	Thoma	pe pe	Hosel
Kelinquisned by:	y.	Time:	- 1						Cost Center: 18	VAL. 18	7005	1001	-	ST	customer.	B	- ^	25	E.B
Delivered By: (Circle One)	Circle One)	Observed Tomp. "	200	Sample Cor Cool Inta	dition	Ω	(Inttials)	CHECKED BY: (Inttials)	Turnaround Time:	IL Jun	4	Standard	a.	_		y) S	Observe	Observed Temp. C	200
Sampler - UPS - Bus - Other	- Bus - Other:	Corrected Temp.	30.63.	D No D	No			B	Correction Factor	Factor	-0.5°C-	0.0-0.0 -	1		No.	1	Correct	Corrected Temp °C	ਨੰ
FORMOG	FURMINOR R 3.2 (D/O//Z)			in design of the second	Outre	200	200	mail cha	mail changes to celev keene@cardinallabsnm.com	slov k	ane C	ncardina	labsni	m.con	2				



November 20, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/24 12:25.

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 BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: XTO 32.122850, -103.997193

Sample ID: PH 08 0.5 (H247013-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	1430	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	75.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Analyzed By: 14

Project Location: XTO 32.122850, -103.997193

ma/ka

Sample ID: PH 08A 3 (H247013-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	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	544	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.6	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	976	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

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

affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

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

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(575) 393-2326 F/	575) 393-2326 FAX (575) 393-2476			1
ompany Name: Ensolum, LLC		BILL TO	ANALYSIS REQUEST	1
roject Manager: Belil		P.O. #:		_
ddress: 3122 National Parks Hwy	~	Company: XTO Energy Inc		_
ity: Carlsbad	State: NM Zip: 88220	Attn: Colton Brown		_
none #: 989 854 6852	Fax #:	Address: 3104 E Green St		_
1558	Project Owner: XTO	City: Carlsbad		_
0	- 9 Fed Com 1214	State: NM Zip: 88220		_
roject Location: 32.122850	,-103,997193	Phone #:		_
~		1		_
FOR LAB USE ONLY	P. MATRIX	PRESERV. SAMPLING	G	_
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL		BTEX TPH Chlorides	
820114	11	X (1) 1/2 1/2		
Ø 1064	8	+	Sint	
LEASE NOTE: Liability and Damages. Cardinal's liability and nalyses. All claims including those for negligence and any oth source in no event shall Cardinal be liable for incidental or cor	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed white analyses and control of the applicable of the control of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whether the applicable of the ap	tract or tort, shall be limited to the amount paid by to g and received by Cardinal within 30 days after corn ions, loss of use, or loss of profits incurred by client,	e client for the pieton of the applicable techniques.	
affiliates or successors arising out of or related to the performance Relinquished By:	Date: Received By:	AII	Verbal Result: □ Yes □ No Add'l Phone #: All Results are emailed. Please provide Email address: Gelil @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com	COM
Relinquished By:	Date: Received By:	CIR	REMARKS: 12427451570 Incident: 1478767451570 Cost Center: 157865555 (58964180)	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Corrected Temp. C 2.0 Sample Condition Conflict Condition No. 10 Sample Condition No.	CHECKED BY: (Initials)	ard	



November 20, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/24 12:25.

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 BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: XTO 32.122850, -103.997193

Sample ID: PH 05 0.5 (H247014-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	256	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122850, -103.997193

mg/kg

Sample ID: PH 05A 1 (H247014-02)

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	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 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	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122850, -103.997193

mg/kg

Sample ID: PH 06 0.5 (H247014-03)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Analyzed By: 14

Project Location: XTO 32.122850, -103.997193

ma/ka

Sample ID: PH 06A 1 (H247014-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	11/19/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: Sampling Type: Soil 11/20/2024

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997193

Sample ID: SS 07 0.5 (H247014-05)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	11/19/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/14/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.122850, -103.997193

ma/ka

Sample ID: SS 11 0.5 (H247014-06)

RTFY 8021R

	кg							
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
<0.300	0.300	11/19/2024	ND					
106	% 71.5-13	4						
mg/	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
128	16.0	11/19/2024	ND	432	108	400	0.00	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
<10.0	10.0	11/18/2024	ND					
89.5	% 48.2-13	4						
78.8	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300 106 9 mg/ Result 128 mg/ Result <10.0 <10.0 <89.5	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 T1.5-13 mg/kg Result Reporting Limit 128 16.0 mg/kg Result Reporting Limit 10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0<	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997193

Sample ID: SS 12 0.5 (H247014-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	11/19/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997193

Sample ID: SS 13 0.5 (H247014-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	11/19/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.122850, -103.997193

mg/kg

Sample ID: SS 14 0.5 (H247014-09)

BTEX 8021B

DIEX GOZID	1119/	Kg .	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	11/19/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	112 9	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: 11/20/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact
Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997193

Sample ID: SS 16 0.5 (H247014-10)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	11/19/2024	ND					
Surrogate: 4-Bromofluorobenzene (P.	ID 106	% 71.5-13	34						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	75.2	% 49.1-14	18						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: Sampling Type: Soil 11/20/2024

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997193

Sample ID: PH 03 0.5 (H247014-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	11/19/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	11/19/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/18/2024 Sampling Date: 11/15/2024

Reported: Sampling Type: Soil 11/20/2024

Project Name: CORRAL CANYON 16-9 FED COM 121H Sampling Condition: Cool & Intact Project Number: 03C1558555 Sample Received By: Alyssa Parras

Project Location: XTO 32.122850, -103.997193

Sample ID: PH 03A 3 (H247014-12)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	11/19/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/19/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Notes and Definitions

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

affected.

Analyte NOT DETECTED at or above the reporting limit ND

RPD Relative Percent Difference

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

Insufficient time to reach temperature.

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

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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company Name: Ensolum, LLC Project Manager: Gew Felil Address: 3122 National Parks Hwy			BILL TO		1	AN	ANALYSIS REC	7.1704
Project Manager: Sew Reli			PO#		-			KEQUESI
Address: 3122 National Parks Hwy					_			
Lucia con a land constitute of the con-	4		Company: XTO Energy Inc	/ Inc			_	
City: Carlsbad	State: NM	Zip: 88220	Attn: Colton Brown			_	_	
Phone #: 989 854 6852	Fax #:		Address: 3104 E Green St	n St			_	
Project #: 0301558555	Project Owner: XTO	XTO	City: Carisbad				_	
Canyon 16-	in Fee	ed COM 1214	State: NM Zip: 88220	0			_	
Project Location: 37.122850	1-103.997	19	Phone #:					
Sampler Name: Joshua Boxley			Fax #:		_			
FOR LAB USE ONLY		MATRIX	ESERV.	SAMPLING	_			
Lab I.D. Sample I.D.	Depth (feet)	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chlorides	HqT	X∃18		
1 PH05	0.5		×	1420 >	X	X		
a PHOSA	~			1425	=	_		
3 PH06	0.5			1440				
4 PHOGA	1			1445				
5 707	0.5			1050				
U.85 A			11,14,24	1722				
2155			11.15,24	1000				
\$185				1045				
	7	6.	7	201	4	4		
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Relinquished By:	Date: Re	ceived	By:	Verbal Result: All Results are \$56/71	emailed. Pl @ensolum	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: Se(ii) @ensolum.com, TMorrissey@ensolum.	Add'i Phone #: vide Email address: orrissey@ensolum.co	☐ Yes ☐ No Add'i Phone #: emailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com, KThomason@ersolum.com
Relinquished By:	Date: Time:	Received By:		REMARKS: APP	15896 15896	REMARKS: APP 242 7451370 Incident: 1/28864 (1801		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Cor	Corrected Tamp. "C	Sample Condition Cool Intact Cool Intact	ion CHECKED BY: (Initials)	Turnaround Time:	me: Sta	Standard Rush		Bacteria (only) Sample Condition Cool Intact Observed Temp. "C Net Yes

*URM-306 R 3.2 10/01/21

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2476	AX (5/5) 393-24	176					4114	מסוס סוכטו	1	
Company Name: Ensolum, LLC	mulosn			BILL 10	-	1	1	ANA	ANALTOIS KEQUESI	IEST	1
Project Manager:	"Ben Belil!			P.O. #:		_	_		_	_	
Address: 3122 N	Address: 3122 National Parks Hwy			Company: XTO Energy Inc	/ Inc	_	_	_	_		_
City: Carlsbad		State: NM	Zip: 88220	Attn: Colton Brown							
Phone #: 989	2580 458	Fax #:		Address: 3104 E Green St	n St			_		_	_
Project #: 0 30 1558	228242	Project Owner: XTO	: XTO	City: Carlsbad		_		_			
Project Name: Corral	bread Canyon 16	- P	ed Com 12171	State: NM Zip: 88220	0			_			
Project Location	1278	,-103.997 195	1195	Phone #:		_		_			
Sampler Name: Joshua Boxley	Joshua Boxley			Fax #:				_			
FOR LAB USE ONLY			P. MATRIX	PRESERV. SAM	SAMPLING	_		_			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER:	TIME	Chlorides	X∃T8				
//	PH03	5:0		×	1225	X	X				
D	PEOF19	Co	61 ×	X 11.15.24	OF2	X	×	-			M
						-				1	
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					\						
				1		_		_			
			1			-					
						+		+			
PLEASE NOTE: Liability as analyses. All daims including service. In no event shall O	nd Damages. Cardinal's liability and ing those for negligence and any oth ardinal be liable for incidental or co	client's exclusive remedy for ver cause whatspever shall by nsequental damages, includi	sing whether be wed unless ma itation, busines	ct or tort, shall be limited to the amount p ind received by Cardinal within 30 days at 1, loss of use, or loss of profits incurred by	aid by the client for the ter completion of the ar client, its subsidiaries,	pplicable					
Relinquished By:	Inquished By:	Date: Rece	ived By:		Verbal Result: All Results are BBelill	it: re emaile @ens	☐ Yes ☐ No nailed. Please prov ensolum.com, TMc	No Add provide E , TMorriss	Yerbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: See All @ensolum.com, TMorrissey@ensolum.com,	☐ Yes ☐ No ☐ Add'i Phone #: mailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com, KThomason@ersolum.com	Im.com
Relinquished By:		Date:	Received By:		REMARKS: APP Incident: NAPP Cost Center: 15	HP24	2427451370	370			
Delivered By: (Circle One)		Corrected Temp. "C 2.0"	Sample Co Cool Into	CHEC	Turnaround Time:	Time:	Standard Rush	a a	Bacteria (only) S Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes	
Sampler - UPS - Bus - Other:		Corracted Tamp. C 200	I No I	No DP	Correction Factor	D THIS	450-0-U	-	No No	Corrected Temp °C	

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

QUESTIONS

Action 410825

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	410825
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425666588
Incident Name	NAPP2425666588 CORRAL CANYON 16-9 STATE FED COM 121H @ 30-015-53198
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-53198] CORRAL 16 9 STATE FEDERAL COM #102H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CORRAL CANYON 16-9 STATE FED COM 121H
Date Release Discovered	09/12/2024
Surface Owner	State

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	or the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 683 BBL Recovered: 663 BBL Lost: 20 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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

QUESTIONS, Page 2

Action 410825

QUESTIONS	(continued)
QUESTIONS!	(COHUHU C U)

Operator.	OGNID.
XTO ENERGY, INC 6401 Holiday Hill Road	5380 Action Number:
Midland, TX 79707	410825
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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	paraty hazard that would recult 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.	
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 12/11/2024

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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 410825

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	410825
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days are lease discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions th	at apply or are indicated. This information must be provided to t	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 der	monstrating the lateral and vertical extents of soil contamination	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertica	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in mill	ligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	1550
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	13400
GRO+DRO	(EPA SW-846 Method 8015M)	13300
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	IMAC unless the site characterization report includes completed elines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date wil	I the remediation commence	09/30/2024
On what date will (or did) th	ne final sampling or liner inspection occur	03/11/2025
On what date will (or was) t	he remediation complete(d)	03/11/2025
What is the estimated surfa	ce area (in square feet) that will be reclaimed	2020
What is the estimated volur	ne (in cubic yards) that will be reclaimed	230
What is the estimated surfa	ce area (in square feet) that will be remediated	2020
What is the estimated volur	ne (in cubic yards) that will be remediated	230
These estimated dates and measur	rements are recognized to be the best guess or calculation at the	time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

Released to Imaging: 6/25/2025 2:00:32 PM

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

QUESTIONS, Page 4

Action 410825

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	410825
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Powediation Disp (continued)		
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Yes		
HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]		
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.

I hereby agree and sign off to the above statement

Name: Robert Woodall Title: Environmental Analyst

Email: robert.d.woodall@exxonmobil.com

Date: 12/11/2024

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

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

QUESTIONS, Page 5

Action 410825

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	410825
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

QUESTIONS, Page 6

Action 410825

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	410825
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	411803
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/20/2024
What was the (estimated) number of samples that were to be gathered	50
What was the sampling surface area in square feet	10000

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	No	

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

CONDITIONS

Action 410825

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	410825
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan conditionally approved.	1/31/2025
bhall	Excavation(s) must be advanced until the most stringent closure criteria are met.	1/31/2025
bhall	Confirmation/final 5-point composite samples representative of no more than 200 square feet must be collected from all side walls and bases of the excavation(s).	1/31/2025
bhall	Be advised that remediation closure cannot be requested until all contamination is remediated and confirmation/final samples are collected. If the temporary lined containment prevents full remediation of the site, a deferral may be warranted. Prior to a deferral request, the contamination must be fully delineated and as much contamination as possible must be remediated.	1/31/2025
bhall	Submit a complete and accurate report through the OCD Permitting website by 5/2/2025.	1/31/2025

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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

Action 457188

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	457188
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425666588
Incident Name	NAPP2425666588 CORRAL CANYON 16-9 STATE FED COM 121H @ 30-015-53198
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-53198] CORRAL 16 9 STATE FEDERAL COM #102H

Location of Release Source		
Please answer all the questions in this group.		
Site Name	CORRAL CANYON 16-9 STATE FED COM 121H	
Date Release Discovered	09/12/2024	
Surface Owner	State	

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: Human Error Tank (Any) Produced Water Released: 683 BBL Recovered: 663 BBL Lost: 20 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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

QUESTIONS, Page 2

Action 457188

QUESTIONS (continued)

QUESTI	ions (continued)
Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road	5380
Midland, TX 79707	Action Number: 457188
Middle, 177 10101	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.
1.27.18	
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relea the 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 asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 12/11/2024

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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 457188

QUESTIONS (continued)

 Operator:
 OGRID:
 5380

 6401 Holiday Hill Road
 Action Number:

 Midland, TX 79707
 457188

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

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan			
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
Requesting a remediation plan approval with this submission	Yes		
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination a	Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	No		
Soil Contamination Sampling: (Provide the highest observable value for each, in million	grams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	592		
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	87.4		
GRO+DRO (EPA SW-846 Method 8015M)	87.4		
BTEX (EPA SW-846 Method 8021B or 8260B)	0		
Benzene (EPA SW-846 Method 8021B or 8260B)	0		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.			
On what estimated date will the remediation commence	09/30/2024		
On what date will (or did) the final sampling or liner inspection occur	04/16/2025		
On what date will (or was) the remediation complete(d)	04/16/2025		
What is the estimated surface area (in square feet) that will be reclaimed	4850		
What is the estimated volume (in cubic yards) that will be reclaimed	840		
What is the estimated surface area (in square feet) that will be remediated	4850		
What is the estimated volume (in cubic yards) that will be remediated	840		
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.			

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

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QUESTIONS, Page 4

Action 457188

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	XTO ENERGY, INC	5380
ı	6401 Holiday Hill Road	Action Number:
ı	Midland, TX 79707	457188
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Yes		
HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]		
Not answered.		
No		

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

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

Name: Robert Woodall
Title: Environmental Analyst
Email: robert.d.woodall@exxonmobil.com
Date: 04/30/2025

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

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QUESTIONS, Page 5

Action 457188

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	457188
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 457188

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	457188
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	450417
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/14/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1000

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	4850
What was the total volume (cubic yards) remediated	840
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	4850
What was the total volume (in cubic yards) reclaimed	840
Summarize any additional remediation activities not included by answers (above)	"Following the removal of the temporary lined containment and production equipment, excavation activities were conducted at the Site as indicated in the Work Plan to address the September 2024 releases of produced water. The approved Work Plan is provided in Appendix D. Laboratory analytical results for the final confirmation soil samples collected indicate all COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site recontoured to match pre-existing site conditions. Excavation of soil has mitigated impacts exceeding the Closure Criteria at 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 nAPP2425666588

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.

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Email: robert.d.woodall@exxonmobil.com
Date: 04/30/2025

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QUESTIONS, Page 7

Action 457188

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	457188
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 457188

CONDITIONS

Operator:	OGRID:
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6401 Holiday Hill Road	Action Number:
Midland, TX 79707	457188
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation closure is approved.	6/25/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/25/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/25/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	6/25/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/25/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	6/25/2025