

March 27, 2025

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

Re: Closure Request

PLU 342

Incident Number nAPP2407438506

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Closure Request* to document assessment, excavation, and soil sampling activities completed to date at the PLU 342 (Site). The purpose of the assessment and excavation activities was to assess the presence or absence of impacts to soil following a release of produced water onto a lease road and adjacent right-of-way (ROW). Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request* describing assessment, excavation, and soil sampling activities that have occurred and requesting no further action for Incident Number nAPP2407438506.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit H, Section 22, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.204208°, -103.862151°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On February 27, 2024, failure of a 4-inch water transfer polyline resulted in the release of 24 barrels (bbls) of produced water onto the lease road and adjacent ROW. A vacuum truck was dispatched to the Site and recovered 1 bbl of the released fluids. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and submitted an Initial C-141 Application (C-141) on March 14, 2024. The release was assigned Incident Number nAPP2407438506.

In August 2024, XTO submitted an extension request for a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for several locations and Incident numbers. XTO noted that the releases all occurred between February and March of this year and attendant documentation was overdue. The releases occurred during a high turnover period of personnel, transitioning staff, and a large company-wide data migration that collectively disturbed incident tracking efforts for remediation. In our efforts to correct the issue, XTO submitted the extension request and assigned the release to be remediated. NMOCD approved the extension request for one of the Incident Numbers, but all others were denied for the following reason:

An extension request needs to be requested before the Remediation Closure Report Due Date Deadline. All of these incidents are at least 60 days out of compliance. The extension requests are denied. Please include this e-mail correspondence in the remediation and/or closure reports.

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

All NMOCD correspondence is included in Appendix A. Remediation activities began immediately following the notification to the NMOCD.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a soil boring drilled for determination of regional groundwater depth. On January 16, 2025, a borehole (C-04911) was advanced to a depth of 105 feet below ground surface (bgs) utilizing hollow stem auger drilling method. The borehole was located approximately 0.38 miles northwest of the Site. A field geologist logged and described soils continuously. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 100 feet bgs. The borehole was properly abandoned using hydrated bentonite chips. All well records used to determine depth to groundwater are attached in Appendix B.

The closest continuously flowing or significant watercourse to the Site, shown on the NMOCD Oil and Gas Map, is dry wash located approximately 305 feet west of the Site. During site assessment activities, Ensolum personnel confirmed that the watercourse is discontinuous and doesn't qualify as a significant watercourse. The next nearest significant watercourse is a drywash and is located 4,042 feet north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the results of the Site Characterization and the depth to groundwater investigation mentioned above, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

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

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On August 20, 2024, Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided in the C-141 and visual observations. Ensolum personnel collected eight delineation soil samples (SS01 through SS08) around the release extent from a depth of 0.5 feet bgs to assess the lateral extent of impacted soil. The release extent and soil sample locations were mapped



utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix C.

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 constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

Based on visual observations and field screening results, additional delineation within the release extent was warranted. As such, Ensolum personnel returned to the Site on October 24, 2024 and advanced boreholes BH01 through BH05 via hand auger within the release extent. The boreholes were advanced to a maximum depth of 1 foot bgs where hand auger refusal occurred due to encountering a comptent formation. Discrete soil samples were collected from each pothole at depths ranging from 0.5 feet to 1-foot bgs. Soil from the boreholes were field screened for VOCs and chloride. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. In addition to the borings, Ensolum personnel collected delineation soil samples (SS09 through SS11) from a depth of 0.5 feet bgs within the release extent. The soil samples were handled and analyzed as described above and submitted to Cardinal in Hobbs, New Mexico. The soil sample locations are depicted on Figure 2.

Following approved land access from the BLM, Ensolum personnel returned to the Site on November 5, 2024 to oversee further delineation via core drill. The core drill was utilized to further delineate each borehole to terminal depths ranging from 4 feet bgs to 6 feet bgs. Soil from the boreholes was field screened for VOCs and chloride, and results and observations were logged on a lithologic/soil sampling log, which are included in Appendix D. All soil samples were handled and analyzed as described above and submitted to Cardinal in Hobbs, New Mexico.

Laboratory analytical results for all delineation soil samples, with the exception of SS10, indicated all COCs were in compliance with Site Closure Criteria and reclamation requirements. Laboratory analytical results for delineation soil sample SS10 indicated TPH concentrations exceeded the reclamation requirement.

CONFIRMATION SOIL SAMPLING AND EXCAVATION ACTIVITIES

Between December 19 through December 20, 2024, confirmation soil samples were collected from within the release area. Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the release extent. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Samples CS01 through CS42 were collected from an approximate depth of 0.5 feet bgs to assess the extent of the waste-containing soil indentified during delineation activities.

Laboratory analytical results for composite soil samples CS10, CS16, CS17, CS19, CS26 and CS27 indicated the concentrations of TPH exceeded the reclamation requirement. Laboratory analytical results for all other composite soil samples indicated all COCs were in compliance with Site Closure Criteria and reclamation requirement.



Between January 24 and January 29, 2025, Ensolum personnel returned to Site to oversee excavation activities to remove the identified waste-containing soil. Excavation activities were completed utilizing a hydrovaccum truck, trackhoe, and transport vehicle. The excavation occurred on the lease road and adjacent ROW near production pipelines. Following removal of waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavations. Confirmation soil sample FS01 was collected from the floor of the excavation at a depth of 7 feet bgs. Confirmation soil samples FS02 through FS04 were collected from the floor of the excavations at a depth of 1.5 bgs. Confirmation sidewall samples SW01 and SW05 were collected from the sidewalls of the deepest excavation extent at depths ranging from ground surface to 4 feet bgs and 4 feet bgs to 7 feet bgs, respectively. Confirmation sidewall soil samples SW02 through SW04 were collected from the sidewalls of the excavations at depths ranging from ground surface to 4 feet bgs. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above.

In addition, a surface scrape of less than 0.5 feet bgs was completed in the area around confirmation samples CS16 and CS19. Two 5-point composite soil sample were collected from a depth of 0.5 feet bgs. The soil samples were collected, field screened, and analyzed following the same procedures described above.

The final excavation extents, in total measured approximately 823 square feet. A total of approximately 80 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at R360 Halfway Dispolsal in Hobbs, New Mexico. Copies of the disposal manifests are included in Appendix E. XTO has backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation soil samples, collected from 0.5 feet bgs, indicated all COCs were in compliance with Site Closure Criteria. Laboratory analytical results for all excavation soil samples, FS01 through FS04 and SW01 through SW05, indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirement. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix F.

CLOSURE REQUEST

Site assessment, delineation, and excavation activities were conducted at the Site to address the February 27, 2024, release of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, and confirmation soil samples, collected form the surface of the release extent, indicated that all COC concentrations were compliant with the Closure Criteria and reclamation requirement. Based on the soil sample analytical results, no further remediation is required. The disturbed ROW will be re-seeded with an approved BLM seed mixture.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2407438506.

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



Sincerely, **Ensolum, LLC**

Sherele Brooks Staff Scientist

cc: Colton Brown, XTO

Kaylan Dirkx, XTO

BLM

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Confirmation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Appendix B Referenced Well Records

Appendix C Photographic Log

Appendix D Lithologic / Soil Sampling Logs

Appendix E Disposal Manifests

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

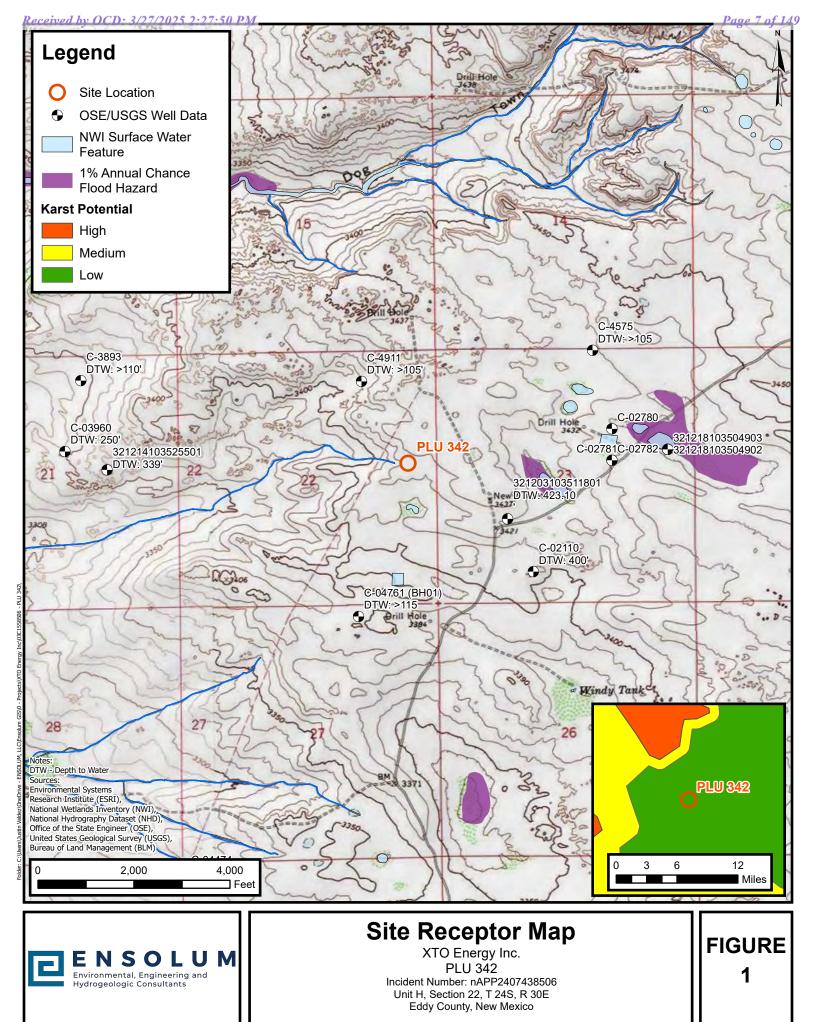
ashley L. ager

Ashley Ager, MS, PG

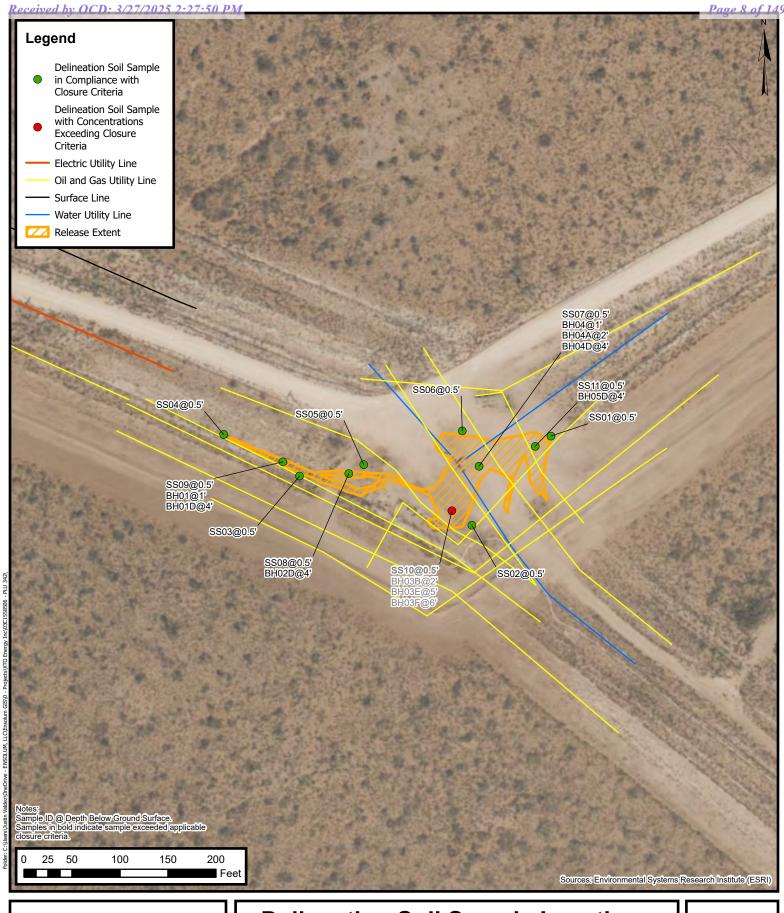
Principal, Geologist



FIGURES



Released to Imaging: 3/28/2025 11:31:16 AM

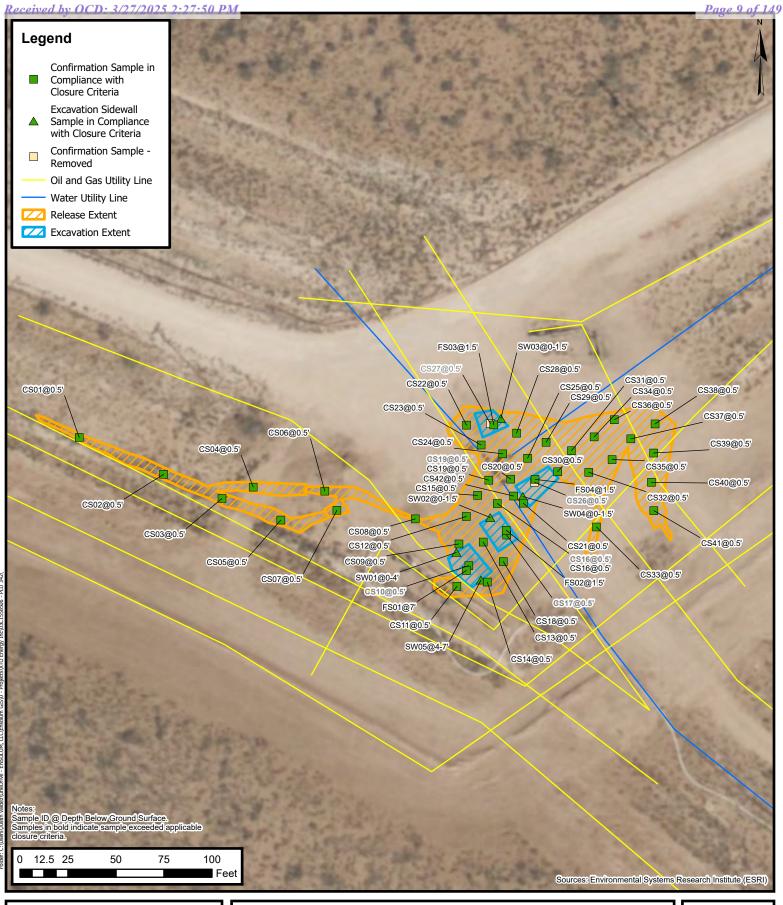




Delineation Soil Sample Locations

XTO Energy Inc. PLU 342 cident Number: nAPP24074

Incident Number: nAPP2407438506 Unit H, Section 22, T 24S, R 30E Eddy County, New Mexico FIGURE 2





Excavation Soil Sample Locations

XTO Energy Inc.
PLU 342
cident Number: nAPP24074
Juit H. Section 22, T.24S, R

Incident Number: nAPP2407438506 Unit H, Section 22, T 24S, R 30E Eddy County, New Mexico FIGURE 3



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 342 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 1 C	Closure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000	
	Delineation Soil Samples										
SS01	8/20/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SS02	8/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SS03	8/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SS04	8/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SS05	8/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SS06	8/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
SS07	8/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
BH04	10/24/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
BH04A	10/24/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
BH04D	11/5/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
SS08	8/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
BH02D	11/6/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
SS09	10/24/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
BH01	10/24/2024	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
BH01D	11/6/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
SS10	10/24/2024	0.5	<0.050	<0.300	<10.0	1,270	472	1,270	1,742	16.0	
BH03B	11/6/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
BH03E	11/6/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,390	
BH03F	11/6/2024	6	<0.050	<0.300	<10.0	11.3	<10.0	11.3	11.3	928	
SS11	10/24/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
BH05D	11/5/2024	4	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
				Con	firmation Soil S	amples			 		
CS01	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS02	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
CS03	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
CS04	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
CS05	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
CS06	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS07	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
CS08	12/19/2024	0.5	<0.050	<0.300	<10.0	72.9	19.9	72.9	92.8	32.0	
CS09	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
CS10	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768	
CS11	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	

Ensolum 1 of 3



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 342 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 1	Closure Criteria (f	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
CS12	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS13	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS14	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS15	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS16	12/19/2024	0.5	<0.050	<0.300	<10.0	670	377	670	1,047	48.0
CS16	1/28/2025	0.5	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
CS17	12/19/2024	0.5	<0.050	<0.300	<10.0	612	363	612	975	32.0
CS18	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS19	12/19/2024	0.5	<0.050	<0.300	<10.0	670	377	670	1,047	<16.0
CS19	1/28/2025	0.5	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS20	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS21	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS22	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS23	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS24	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS25	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS26	12/19/2024	0.5	<0.050	< 0.300	<10.0	138	74.5	138	213	64.0
CS27	12/19/2024	0.5	<0.050	<0.300	<10.0	79.4	34.9	79.4	114	48.0
CS28	12/19/2024	0.5	<0.050	<0.300	<10.0	35.0	18.3	35.0	53.3	48.0
CS29	12/19/2024	0.5	<0.050	<0.300	<10.0	14.8	<10.0	14.8	14.8	64.0
CS30	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS31	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS32	12/19/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS33	12/20/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS34	12/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS35	12/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS36	12/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS37	12/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS38	12/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS39	12/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS40	12/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS41	12/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS42	1/29/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

Ensolum 2 of 3



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 342 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 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000			
	Excavation Soil Samples												
FS01	1/27/2025	7	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432			
FS02	1/28/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304			
FS03	1/29/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0			
FS04	1/29/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112			
SW01	1/29/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464			
SW02	1/29/2025	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400			
SW03	1/29/2025	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
SW04	1/29/2025	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128			
SW05	1/29/2025	4-7	<0.050	<0.300	<10.0	10.3	<10.0	10.3	10.3	640			

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or

reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

Ensolum 3 of 3



Appendix A

NMOCD Correspondence



FW: XTO Extension Request - Multiple Past-Due Incidents Discovered

From Romero, Alan <alan.romero1@exxonmobil.com>

Date Fri 8/16/2024 2:14 PM

To Tacoma Morrissey <tmorrissey@ensolum.com>; Ben Belill <bbelill@ensolum.com>

1 attachment (37 KB)

XTO Multiple Incidents Extension Request 8-16-24.pdf;

[**EXTERNAL EMAIL**]

From: Romero, Alan

Sent: Friday, August 16, 2024 11:59 AM

To: NMOCD (ocd.enviro@emnrd.nm.gov) <ocd.enviro@emnrd.nm.gov>

Cc: amanda.garcia@exxonmobil.com; amy.ruth@exxonmobil.com; Brown, Colton S

<colton.s.brown@exxonmobil.com>; Dirkx, Kaylan <kaylan.dirkx@exxonmobil.com>; Smith, Kailee /C

<kailee.smith@exxonmobil.com>

Subject: XTO Extension Request - Multiple Past-Due Incidents Discovered

Good Afternoon,

XTO is requesting an extension for a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the attached locations/incident numbers listed in this message. We understand that the releases all occurred between February and March of this year and attendant documentation is overdue. Kindly be aware that these occurred during a high turnover period of personnel in our department, transitioning staff, and a large company-wide data migration that collectively disturbed our incident tracking efforts for remediation. In our efforts to correct the issue, XTO is proactively assigning each of these incidents to be successfully addressed by contractors for closure in accordance with 19.15.29.12 NMAC.

Please let me know if there is any more information or clarity I can provide. Thank you for your time and consideration.

Respectfully,

Alan Romero

Environmental/Regulatory Advisor Permian Business Unit – New Mexico Delaware Basin

ExxonMobil Upstream Oil & Gas Company Unconventional

3104 East Greene Street Carlsbad, New Mexico 88220 Direct: (575) 988-3383

Poker Lake Unit 22 DTD

NAPP2405961992

Release Date: 2/14/24

Closure Due Date: 5/14/24

PLU South Pond

NAPP2405971517

Release Date: 2/14/24

Closure Due Date: 5/14/24

PLU 28 Big Sinks West Battery

NAPP2406159589

Release Date: 2/16/24

Closure Due Date: 5/16/24

Poker Lake Unit 26 BD W CVB

NAPP2406161820

Release Date: 2/16/24

Closure Due Date: 5/16/24

Nash Unit 53 SWD

NAPP2406163532

Release Date: 2/20/24

Closure Due Date: 5/20/24

PLU 342

NAPP2407438506

Release Date: 2/27/24

Closure Due Date: 5/27/24

PLU 25 CTB

NAPP2408553359

Release Date: 3/11/24

Closure Due Date: 6/10/24

Big Eddy Hackberry 34 Battery

NAPP2408932392

Release Date: 3/15/24

Closure Due Date: 6/13/24

Poker Lake Unit 28-21 Big Sinks

NAPP2409248851

Release Date: 3/19/24

Closure Due Date: 6/17/24

Perla Verde 31 State 001H

NAPP2412749555

Release Date: 5/2/24

Closure Due Date: 7/31/24



APPENDIX B

Referenced Well Records



2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

February 10, 2025

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4911 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4911 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Gaoon Middle



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

_												
NO	OSE POD NO. (POD 1 (TW		.)	WELL TAG ID NO. N/A		OSE FILE NO(S).					
ОСАТІ	WELL OWNER XTO Energy			-		PHONE (OPTIO	ONAL)					
WELL L	WELL OWNER 3104 E. Gree		ADDRESS			CITY Carlsbad		STATE NM	88220	ZIP		
GENERAL AND WELL LOCATION	WELL LOCATION	LAT	DI		ONDS 2.23 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND						
ENERA	(FROM GPS)	LO	NGITUDE		4.46 W		QUIRED: WGS 84					
1. G	1		T 248 R30E	O STREET ADDRESS AND COMMON LAND	MARKS – PLS	SS (SECTION, TO	WNSHJIP, RANGE) W	HERE AVA	ILABLE			
	LICENSE NO.		NAME OF LICENSED	DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.					
	DRILLING STA 01/16/20		DRILLING ENDED 01/16/2025	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		LE DEPTH (FT) ±105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A					
z	COMPLETED WELL IS: ARTESIAN *add DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL IN COMPLETED WELL N/A 1/16/2											
ATIO	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY: DRILLING METHOD: ROTARY HAMMER CARLE TOOL OTHER - SPECIFY: Hollow Stem Auger CHECK HERE IF PITLESS ADAPTER IS											
JRM/	DRILLING ME	тнор:	ROTARY HAM	MER CABLE TOOL OTHER-SP	ECIFY: I	Hollow Stem	Auger CHEC INSTA	K HERE IF	PITLESS ADAI	PTER IS		
CASING INFORMATION	DEPTH (f	eet bgl)	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and	ASING CASING NECTION INSIDE DIAM TYPE (inches)		CASING WALL THICKNESS (inches)		SLOT SIZE (inches)			
CAS	0	104	±6.25	note sections of screen) Soil Boring	ling diameter)	(menes)	1					
DRILLING &												
ILLI												
2. DR												
H =	DEPTH (f	eet bgl)	BORE HOLE	LIST ANNULAR SEAL MATERIAL A		L PACK SIZE-	AMOUNT		METHO	D OF		
IAL	FROM	то	DIAM. (inches)	RANGE BY INTE		e spacing below)	(cubic feet)		PLACEM			
ANNULAR MATERIAL				N/A								
R MA	-							-				
ULAI												
ANN												
e,						-		-				
EOB	OSE INTERN	AT HEE				WD 2	WELL RECORD	& LOG!	Version 00/2	2/2022\		
	E NO.	AL USE		POD NO.		TRN 1		a LOU	version U7/2.	L. 2022)		
LOC	CATION					WELL TAG II	D NO.		PAGE	1 OF 2		

	DERTH (4	ant hall	1							ESTIMATED	
	DEPTH (f	TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIAL R-BEARING CAVITIES plemental sheets to full	OR FRACT	URE ZONES	WATER BEARING (YES / NO	i ?	YIELD FOR WATER- BEARING ZONES (gpm)	
	0	104	104	Sand, fine-grain	ed, poorly-graded, uncons	solidated, Red	dish Brown	Y /	N		
					71 70 7			Y	N		
								Y	N		
								Y	N		
								Y	N		
د.								Y	N		
ÆLI								Y	N		
)F V								Y	N		
9								Y	N		
CL								Y	N		
150								Y	N		
EOL								Y	N		
502								Y	N		
4. HYDROGEOLOGIC LOG OF WELL								Y	N		
4. H								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING	BEARING STRATA:				TOTAL ESTIMATED		
								WELL YIELD (gr	ELL YIELD (gpm):		
NO	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.										
TEST; RIG SUPERVISION	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PLU 22 DTD CVB										
EST	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPER	VISION OF V	WELL CONS	TRUCTION OTHE	R TH	AN LICENSEE:	
5. T	Shane Eldric			VISON(S) TIETT THE	VIDED CHOILD COLD.					THE BLOCK OF THE STATE OF THE S	
6. SIGNATURE	CORRECT R	ECORD O	F THE ABOVE D	ESCRIBED HOLE AN	EST OF HIS OR HER K ID THAT HE OR SHE W PLETION OF WELL DR	JILL FILE TH	E AND BELIE HIS WELL RE	EF, THE FOREGO ECORD WITH THI	ING IS	S A TRUE AND TE ENGINEER	
6. SIGN	Jack Atkins		2025 10:06 MST)		ckie D. Atkins		-	02/10/20			
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME			DA	TE		
FOI	R OSE INTERN	NAL USE				70	WR-20 WELI	L RECORD & LOC	i (Ver	sion 09/22/2022)	
	E NO.				POD NO.		TRN NO.				
LO	CATION					WELLT	AG ID NO.			PAGE 2 OF 2	



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

_	NERAL / WELL OWNERSHIP: ngineer Well Number: C-4911 POD-1
	wner: XTO Energy, Inc. Phone No.:
Maili	g address: 3104 E. Greene St.
City:	Carlsbad State: New Mexico Zip code: 88220
<u>II. V</u>	ELL PLUGGING INFORMATION:
1)	Name of well drilling company that plugged well:
2)	New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25
3)	Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
4)	Date well plugging began: 01/24/2024 Date well plugging concluded: 01/24/2024
5)	GPS Well Location: Latitude: 32 deg, 12 min, 32.23 sec Longitude: 103 deg, 51 min, 54.46 sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as:104 ft below ground level (bgl), by the following manner: water level probe
7)	Static water level measured at initiation of plugging:n/aft bgl
8)	Date well plugging plan of operations was approved by the State Engineer:
9)	Were all plugging activities consistent with an approved plugging plan? Yes If not, please descridifferences between the approved plugging plan and the well as it was plugged (attach additional pages as needed).
	03E DIL ROSHELL NI. LO RES '25 mul43

Version: September 8, 2009 Page 1 of 2

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
=	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Boring	
_	10'-104'		450 11		
- -	Drill Cuttings	Approx. 150 gallons	150 gallons	Boring	
7 					
=					
_					
_					
-				C5E 071	RUSUIL I (1): 3 125 A.U.48
_		MUSTICAL V	AND OPTION		
		MULTIPLY E cubic feet x 7.4 cubic yards x 201.9	8Y AND OBTAIN 805 = gallons 17 = gallons		

III. SIGNATURE:

I, <u>Jackie D. Atkins</u>, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jac-Atkins (Feb 10, 2025 10:06 MST)	02/10/2025		
Signature of Well Driller	Date		

Version: Sentember 8, 200

C-4911-WR-20 Well Record and Log-packet-for sign-PLU 22 DTD CVB

Final Audit Report

2025-02-10

Created:

2025-02-10

By:

Lucas Middleton (lucas@atkinseng.com)

Status:

Signed

Transaction ID:

CBJCHBCAABAAYV7CZPFqKvAvffT7-gD4dnblVV-wqNZb

"C-4911-WR-20 Well Record and Log-packet-forsign-PLU 22 DT D CVB" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2025-02-10 4:55:10 PM GMT
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2025-02-10 4:57:47 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2025-02-10 5:01:16 PM GMT
- Document e-signed by Jack Atkins (jack@atkinseng.com)
 Signature Date: 2025-02-10 5:06:00 PM GMT Time Source: server
- Agreement completed.

03E DN RDS - ELL 101 10 Fe3 125 × 1143

Adobe Acrobat Sign



APPENDIX C

Photographic Log



Photographic Log

XTO Energy, Inc. PLU 342 nAPP2407438506





Photograph: 1 Date: 8/20/2024

Description: Site assessment activities

View: Southwest

Photograph: 2 Date: 10/24/2024

Description: Delineation activities

View: Northwest





Photograph: 3 Date: 11/06/2024

Description: Core drill delineation activities

View: Northwest

Photograph: 4 Date: 12/20/2024

Description: Confirmation sampling activities

View: West



Photographic Log

XTO Energy, Inc. PLU 342 nAPP2407438506





Photograph: 5 Date: 1/24/2025

Description: Excavation activities

View: South

Photograph: 6 Date: 1/30/2025

Description: Excavation activities

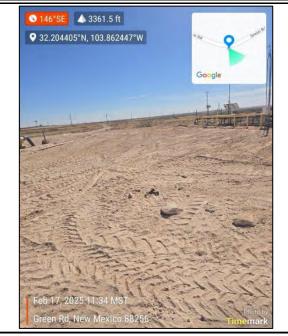
View: West



Photograph: 7 Date: 1/30/2025

Description: Excavation activities

View: South



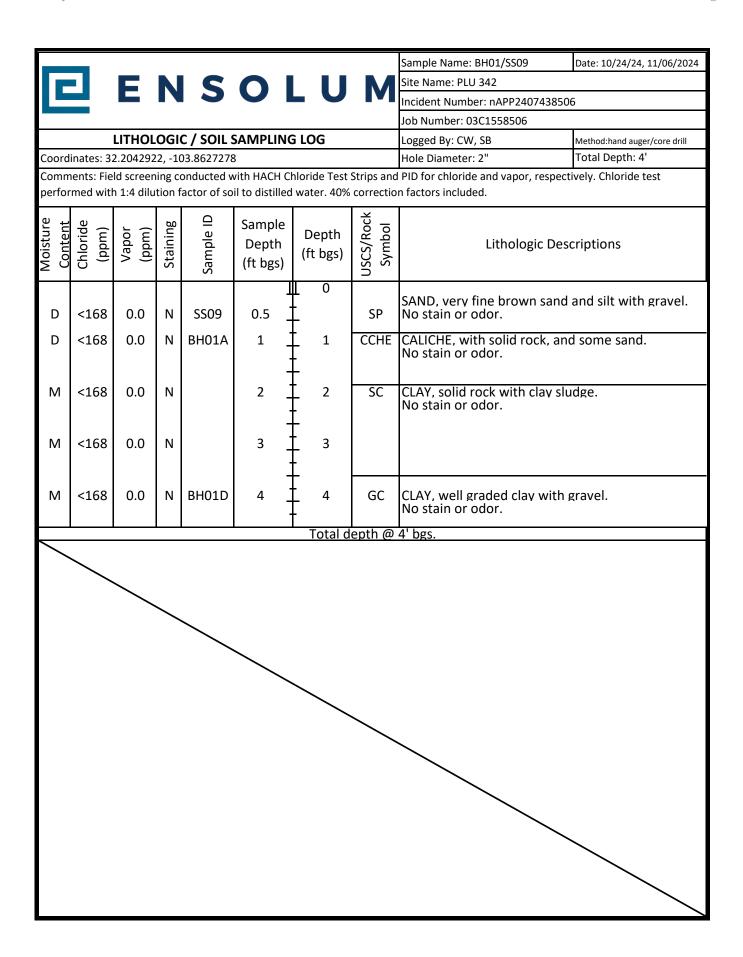
Photograph: 8 Date: 2/17/2025

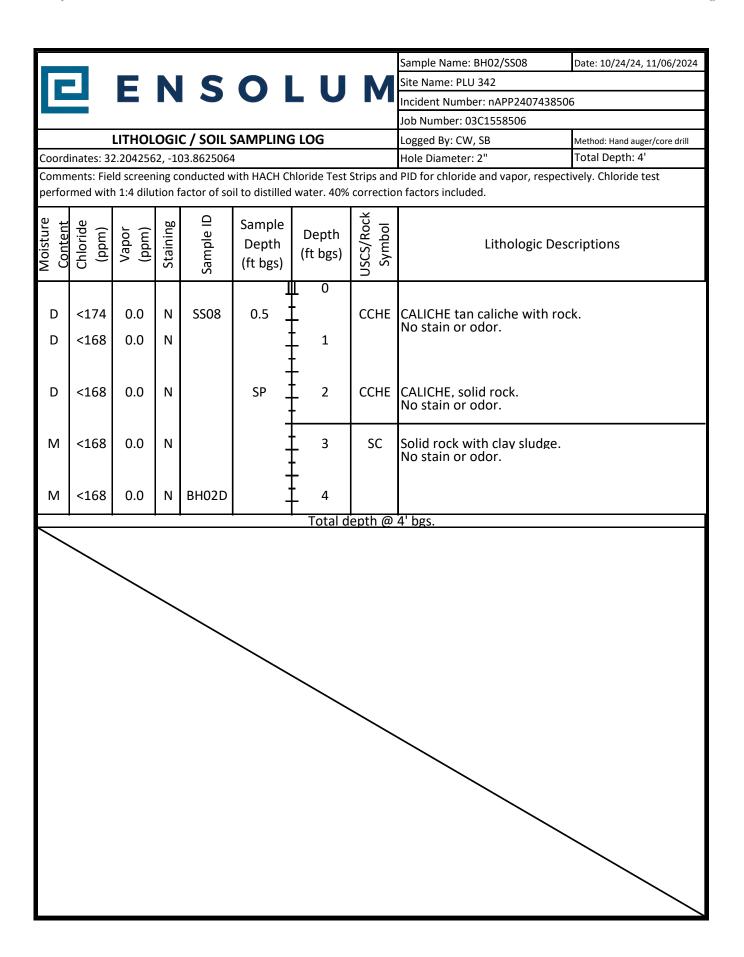
Description: Backfill activities View: Southeast



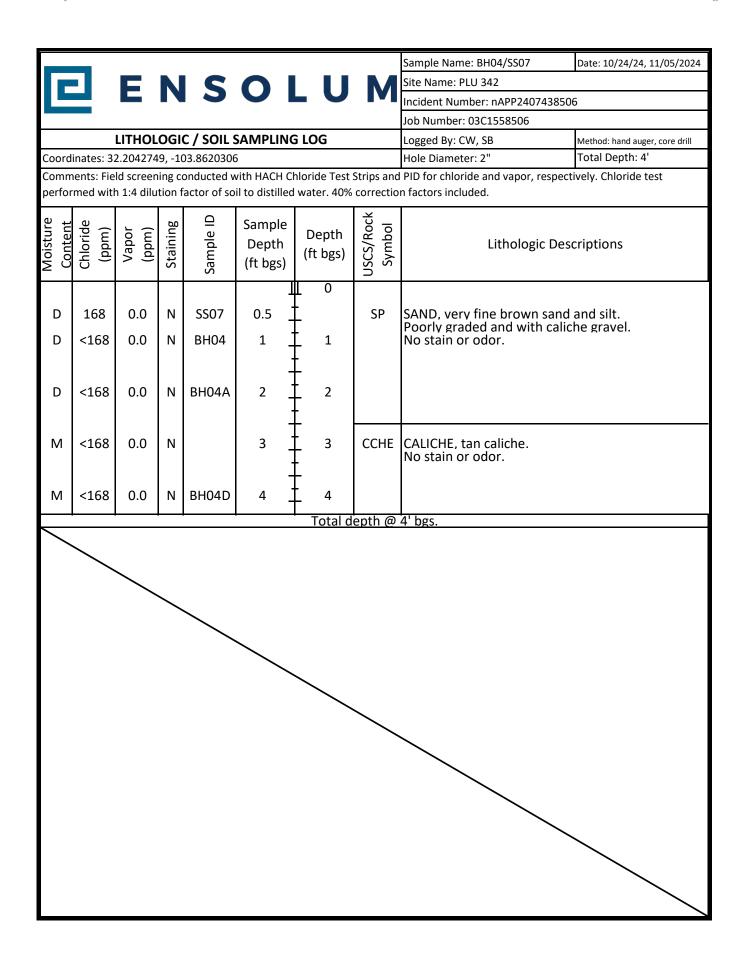
APPENDIX D

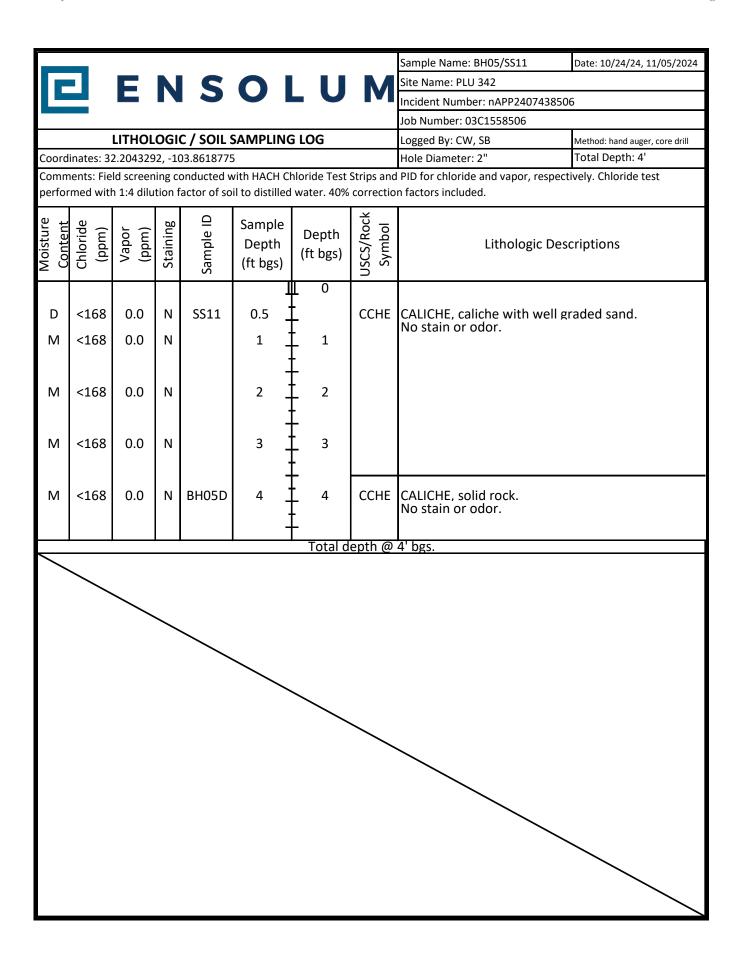
Lithologic Soil Sampling Logs





								Sample Name: BH03/SS10	Date: 10/24/24, 11/06/2024		
			N			LU	M	Site Name: PLU 342			
								Incident Number: nAPP240743850	06		
								Job Number: 03C1558506			
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: CW, SB	Method: hand auger/core drill		
Coordinates: 32.2041468, -103.8621608							Hole Diameter: 2"	Total Depth: 4'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D D	<168 <168	0.0	N N	SS10	0.5 _ 1 _	0 - - - 1	SP SP	SAND, very fine brown sand with silt. Poorly graded, with caliche gravel. No stain and faint odor. SAND, poorly graded sand and solid rock. No stain and no odor.			
М	<168	0.0	N	внозв	2	- - 2 -	SC	CLAY, solid rock with clay. No stain and no odor.			
М	<168	0.0	N		3	3	SC	CLAY, solid rock with clay slu No stain or odor.	udge.		
М	1,019	0.0	N		4	<u> </u>					
М	1,299	0.00	N	внозе	5 _	- _ 5 -					
М	330	0.0	N	BH03F	6 _	- 6 - Total d	omath C	C. h.c.			
!						rotal d	epth @	o bgs.			







APPENDIX E

Disposal Manifests

Released to Imaging: 3/28/2025, 11:31:16 AM

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Generator Manifest #.

(PLEASE PRINT)

GENERATOR

Location of Origin

*REQUIRED INFORM

Page 34 of 14								
Company Man Contact information								
ATION* Name								
Phone No.								
10 HW-27038549								
Permit/RRC No - Provide the Rail of								
S P Sinar Well Jump 840 County at which								
API No Provide the American Petro								
Rig Name & No Provide the name								
ale availate vandal								
rels or cubic yards) EMPT E&P WASTE STREAMS								
Drilling - Westa generated white day								
Initial Completion - Waste general								
CALICHE SALES								
TY TOP SOIL CALICHE								
GATHERING LINES								
GATHERING ENCE								
rosivity adn Reactivity.								
empt Waste List on back								
RDS and survoid - sense E - EACH O								
h waste has been properly described, classified and								
ith non-exempt waste (R360 Accepts certifications on a								
ous by characteristics established in RCRA regulations, ed. The following documentation demonstrating the								
Other (Provide Description Below)								
ty (the order, documentation of non-hazardous waste								
SIGNATURE								
5 BOSCARD								
the state of the s								
Dunglack								
disposal facility listed below.								
DRIVER'S SIGNATURE								
RECEIVING AREA 0.								
Tank Stationing								
De taobirg blant said: with and against mon								
gents? (Circle One) YES NO								
Zalzfav Ignexe in lazdesih in spenin								

TRUCK TIME STA IN: OUT: Site Name/ Permit No. Address Halfway Fa 6601 Hobbs Hw NORM READING:	DRIVER'S SI AMP acility / NM1-006 by US 62 / 180 Mile Marker GS TAKEN? (Circle One) TER TEST? (Circle One)	DISPOSA 66 Carlsbad, NM 88220 YES NO YES NO TANK Inches	Driver's Name Print Name Phone No. Truck No. Delivery Date AL FACILITY Phone No. If YES, was reading > 50 BOTTOMS BS&W/BB	DRIVER'S SIGNATURE RECEIVING AREA Name/No. DRIVER'S SIGNATURE RECEIVING AREA Name/No. State of the disposal facility listed below. DRIVER'S SIGNATURE RECEIVING AREA Name/No. State of the disposal facility listed below. DRIVER'S SIGNATURE RECEIVING AREA Name/No. State of the disposal facility listed below. DRIVER'S SIGNATURE RECEIVING AREA Name/No. State of the disposal facility listed below.					
Name Address Phone No. Fransporter Ticket # hereby certify that the above named management of the state of th	DRIVER'S SI AMP acility / NM1-006 by US 62 / 180 Mile Marker SS TAKEN? (Circle One)	DISPOSA 66 Carlsbad, NM 88220 YES NO	Driver's Name Print Name Phone No. Truck No. Ed above and delivered without in DELIVERY DATE AL FACILITY Phone No. 578	DRIVER'S SIGNATURE RECEIVING AREA Name/No. 5-392-6368					
Name Address Phone No. Fransporter Ticket #	DRIVER'S SI AMP Callity / NM1-006	DISPOSA DISPOSA	Driver's Name Print Name Phone No. Truck No. ad above and delivered without in DELIVERY DATE AL FACILITY Phone No. 578	DRIVER'S SIGNATURE RECEIVING AREA Name/No. 5-392-6368					
Name Address Phone No. Transporter Ticket # hereby certify that the above named magnetic shipment date TRUCK TIME STA	DRIVER'S SI	DISPOSA DISPOSA	Driver's Name Print Name Phone No. Truck No. ad above and delivered without in DELIVERY DATE AL FACILITY	DRIVER'S SIGNATURE RECEIVING AREA					
Name Address Phone No. Transporter Ticket # hereby certify that the above named management	A tomov i self a		Driver's Name Print Name Phone No. Truck No. ad above and delivered without in	Flyderitin sulfate similarum wastes					
Name Address Phone No. Transporter Ticket #	The second secon	en vices	Driver's Name Print Name Phone No. Truck No.	ruly Dunnlack					
Name Address	The stroyle	POULCE	Driver's Name	Luis Gazan					
	WESTERS IN _)	POUCES	Trismans out that	Luis 6 CECTION					
A STATE OF THE PARTY OF THE PAR	lary m/n see /	TRAN	SPIIKIFK						
(PRINT) AUTHORIZED	AGENTS SIGNATURE	TDANK	DATE	SIGNATURE					
☐ EMERGENCY NON-OILFIELD		s, non-oilfield waste that has cription of the waste must acc		of Public Safety (the order, documentation of non-hazardous waste					
Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)									
RCRA EXEMPT:	ckaged, and is in proper condition for transportation according to applicable regulation. RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)								
hereby certify that the above listed man	aterial(s), is (are) not hazardo	ous waste as defined by 40 CF		e law. That each waste has been properly described, classified and					
DISPOSAL QUANTITY) R-1	BARRELS	L - LIQUID	Y - YARDS 22 - HIS CONTROL E - EACH O					
NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity. *please select from Non-Exempt Waste List on back									
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION						
E&P Contaminated Soil Gas Plant Waste	Truck '	Washout (exempt waste)	YES NO	QUANTITY TOP SOIL CALICHE					
Produced Formation Solids Tank Bottoms	Gathe	ring Line Water/Waste (Non-I	njectable)	TOP SOIL & CALICHE SALES					
Oil Based Cuttings Water Based Muds Water Based Cuttings	Compl	out Water (Non-Injectable) etion Fluid/Flow Back (Non-In ced Water (Non-Injectable)	jectable)	Drilling - Warto generated white drilling the viell Initial Completion - Waste general drive the viell					
Oil Based Muds	NON-	NJECTABLE WATERS	nt (place volume next to wast)	e type in barrels or cubic yards) OTHER EXEMPT E&P WASTE STREAMS					
	190/III	m (CM) world oceanin't ent	AFE/PO No. —	AFEPO No Provide either the Authorization fol					
	/	1 d thouse	API No Rig Name & No	API No Provide the American Patroloum Instituti Rig Name & No Provide the name of the drilling					
City, State, Zip	1/	Medianium ment sent somanii	County Deletered 200	County - Provide the county at which the waste w					
		omen block out observe	Name & No.	2 P Sunsy Mell Dump 8/10/10 Ploving 4 Proposition					

Yellow-TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

Released to Imaging: 3/28/2025 11:31:16 AM

Pa	ge	35	01	f 14

(PLEASE PRINT)

REQUIRED INFORMATION

ompany	Man	Con	taci	iní	OFF	ation
Deseign	13/2		187	101		

Name	RE WIT
Phone No	School

1		GENERA	ATOR	Across address for	VO. HW- 703	8548
Generator Manifest #		bydauana	Location of Origin	muchan where the	e Na Provide a phone	Phon
Generator Name	the DCS number	Loumbox Hoffsnore, provide	Lease/Well Name & No.	Lengther on Lander	T. W. S. ONTON HOUSE	42
Address		on, provide the Publications a	County	which the waste v	ty - Fravide the county a	Ronn Alga
City, State, Zip		emunifew and redmon I	API No Rig Name & No	illib sit to amer a	lame 8 No Provide the	l gi8
Phone No.	, redmun	er ocylhe Purchaus Order (PO)	AFE/PO No.	of opilisticothus on	O No Provide eliber i	AFER
THE R. P. LEWIS CO., LANSING, MICH. 499, LANSING, MICH.	EXEMPT E&P Waste/Service		ace volume next to waste	THE RESERVE THE PERSON NAMED IN COLUMN TWO	THE RESERVE AND PERSONS ASSESSMENT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NAMED IN COLU	Tell college
Oil Based Muds Oil Based Cuttings	The second secon	JECTABLE WATERS t Water (Non-Injectable)		OTHER EXEMPT E8	&P WASTE STREAMS	litari .
Water Based Muds Water Based Cuttings	Completi	ion Fluid/Flow Back (Non-Injectal I Water (Non-Injectable)	ole)	oil ni bute ensy	Completion - Vasivy	The state of the s
Produced Formation Solids Tank Bottoms	Gatherin	g Line Water/Waste (Non-Injecta	ble)	a Long and private be	action - Waste ganerare	Prod
E&P Contaminated Soil Gas Plant Waste	CHIMPHONE SELLED AT	AL USE ONLY ashout (exempt waste)	YES NO	TOP SOIL & CALICH	HE SALES TOP SOIL	CALICHE
WASTE GENERATION PROCESS	: DRILLING	COMPLETION	PRODUCTION	IN COURT DATE OF THE PARTY OF	ATHERING LINES	CALIUNE
Who is delivery thou in the occor	Difficento	NON-EXEMPT E&P Waste/Servi			ATTENITO ENVEO	PRINCIPAL DE LA CONTRACTOR DE LA CONTRAC
	I non-exempt E&P waste must be	analysed and be below threshol	d limits for toxicity (TCLP), Ig	nitability, Corrosivity a		
Non-Exempt Other		3184	*please select f	rom Non-Exempt W a	aste List on back	A DES
DISPOSAL QUANTITY QO	B - BA		LIQUID had havib ad to	Y-YARDS	As-stane - Provide the	
I hereby certify that the above listed packaged, and is in proper condition	material(s), is (are) not hazardous	waste as defined by 40 CFR Pari	261 or any applicable state	law. That each waste	has been properly described	d, classified and
RCRA EXEMPT:	Oil field wastes generated t	rom oil and gas exploration and	production operation and are	not mixed with non-e	exempt waste (R360 Accepts	certifications on a
RCRA NON-EXEMPT:	per load basis only) Oil field waste which is non	-hazardous that does not exceed	the minimum standards for	waste hazardous by ch	haracteristics established in	RCRA regulations
and Edit Maste	40 CFR 261.21-261.24, or lis	sted hazardous waste as defined	by 40 CFR, part 261, subpart			
		attached. (Check the appropriate RCRA Haz	ardous Waste Analysis	M3 🔲	Other (Provide Description	Below)
☐ EMERGENCY NON-OILFIELD		non-oilfield waste that has been		of Public Safety (the or		
	determination and a descrip	otion of the waste must accompa	ny this form)			
(PRINT) AUTHORI	ZED AGENTS SIGNATURE	DATE	(muldans il gelon) e	SIG	GNATURE	915
	onnidest begins *	TRANSP	ORTER	1 /	01	Water Baser Mi
Transporter's Service		2 41(25	Driver's Name	41:55	De Le Company	Water
Address 28/28/4 mpmm 6/28/15	hallon streates		Print Name	2		210-3 coll.
Phone No. Transporter Ticket #	oue sant magnitie	25000 mg	Phone No.	T.41.00	m 7711	Lin .
I hereby certify that the above name		at the Generator's site listed abo		cident to the disposal f		Produced Format
SHIPMENT DATE	DRIVER'S SIGN.	ATURE	DELIVERY DATE	- (D129	DRIVER'S SIGNATURE	muoan
TRUCK TIME S	THE RESERVE OF THE PERSON NAMED IN	DISPOSAL		RE	ECEIVING AREA	06
Address of the Control of the Contro	- Non-Exempt 57		militalingenest (i)		Substitution of thom productions	20
Site Name/	* California action		* Ploque wastes from	1607	12000	Tank Botsoms
Permit No. Halfway	Facility / NM1-006 Hwy US 62 / 180 Mile Marker 66	Carlebad NIM 99220	Phone No. 575	-392-6368	- जान किन्द्र अ <mark>गलेस् अस्ति कार्य कार्य</mark>	Williamo wiel i
110276	* E&P Eurraminate		unaprio desou-localo		thrape buildings that raid pe	
		YES NO	If YES, was reading > 50	micro roentgents? ((Circle One) YES	NO
TAGO ITILI AINT	TETET TEST: (GIIGIE GIIE)		TOME	decidence of the second	er or nicence in learning to be a nicensial was not as no	name Accum
Feet	Inch	TANK BO	aneme ustranti alsa	ргодистан	sands, and quinkion from p	
1st Guage		especial dione pade	BS&W/BBL		BS&W (%)	separa
2nd Guage Received		in exempt v	The second secon	Free Water al Received	nem beverale street	Eonsi
I hereby certify that the above load n	naterial has been (circle one):	(ACCEPTED DE	10/20 Section Consent	ied, why?	Trydroce i pont in the long in the least tropic in the least tropi	Diupil =
and the discoverional	2	120125	Am	0	minuter to mailten and a	NESIR
NAME (PRINT)		DATE	TITLE	1	SIGNATURE	

Yellow-TRANSPORTER COPY Pink-GENERATOR SITE COPY Gold-RETURN TO GENERATOR

P	ag	e	3	6	o	f_{j}	14
	500						

(PLEASE PRINT)

REQUIRED INFORMATION

	Page 36 of 14
Company Man C	ontact information
vid begalagene ad o	Genorator 1

		PROJECT CO.	
Phone	No.	100 July 18 11 1 8	1.9

		GENER	ATOR	NO. H	W-7039462
Generator Manifest #		reached	Location of origin	Principal company of the Life of the Commission of the Rankrand Commission	Phone Mo Provide
Generator NameX_TO	ide the DCS number	voro and infra flandrum	20000, 11011	No Provide the name of	
Address	e and Block milither.	ue, woyale the high nam	County	or sity at which the worth v	Eminty - Provide line API We - Provide the
City, State, Zip	M	ement liew hits todicals	API No Rig Name & No	with the name of the dhill	Rig Name & No Pr
Phone No.	nadmun (Ch	or the Postoace Upday in	AFE/PO No.	either the Authorization for	AFERD No Provide
	EMPT E&P Waste/Service Ide	NAME AND ADDRESS OF THE OWNER, WHEN PERSON NAMED IN	lace volume next to waste		
Oil Based Muds Oil Based Cuttings	THE COMMON TO	TABLE WATERS ater (Non-Injectable)		OTHER EXEMPT E&P WAST	E STREAMS
Water Based Muds Water Based Cuttings	Completion	Fluid/Flow Back (Non-Injecta ater (Non-Injectable)	able)	Waste generaled on the	
Produced Formation Solids Tank Bottoms	Gathering Li	ne Water/Waste (Non-Inject	table)		Production Waste
E&P Contaminated Soil Gas Plant Waste	INTERNAL U	JSE ONLY out (exempt waste)	YES NO	TOP SOIL & CALICHE SALES QUANTITY	TOP SOIL CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	GATHERIN	AND ADDRESS OF THE PARTY OF THE
			vice Identification and Amoun		- Annual Control
AND REAL PROPERTY AND ADDRESS OF THE PARTY O	on-exempt E&P waste must be an	alysed and be below thresho	old limits for toxicity (TCLP), Ig	nitability, Corrosivity adn React	
Non-Exempt Other			*please select f	rom Non-Exempt Waste List	on back
DISPOSAL QUANTITY	B - BARRE		e- LIQUID has deserted on he	Y-YARDS	E - EACH
hereby certify that the above listed ma backaged, and is in proper condition for RCRA EXEMPT:	transportation according to applie Oil field wastes generated from per load basis only)	cable regulation. n oil and gas exploration and	production operation and are	e not mixed with non-exempt w	n properly described, classified and aste (R360 Accepts certifications on a stics established in RCRA regulations
empt E&P Waste >	40 CFR 261.21-261.24, or listed waste as non-hazardous is atta	hazardous waste as defined sched. (Check the appropriate RCRA Ha.	d by 40 CFR, part 261, subpart e items as provided) zardous Waste Analysis	D, as amended. The following Other (I	documentation demonstrating the Provide Description Below)
EMERGENCY NON-OILFIELD	Emergency non-hazardous, non determination and a description				mentation of non-hazardous waste
(PRINT) AUTHORIZED	AGENTS SIGNATURE	DATE		SIGNATURE	
Transporter's	000.00EQ 250 =	TRANSP	Company Now how	C L . el	Worst Based Mod Water Based (willingsloss
Name i es ibus saixe <u>a ano frit cello.</u> Address essas magniso albem sada	Bring Station		Driver's Name Print Name	-Tophcom	The Parish of th
Phone No. I draw bria, altoimorio bol	liga spiritina		Phone No.		Section Section 18 and the section 18 and 18
Fransporter Ticket #			Truck No.	159 Bellynia	Ashengel associational distributions
hereby certify that the above named m	aterial(s) was/were picked up at	the Generator's site listed ab	pove and delivered without in	cident to the disposal facility lis	sted below.
SHIPMENT DATE	DRIVER'S SIGNATUR	RE	DELIVERY DATE	III DRI	VER'S SIGNATURE
TRUCK TIME STA	AMP otesW =	DISPOSAL	FACILITY Reduction of the second of the sec		NG AREA
	cility / NM1-006 ry US 62 / 180 Mile Marker 66 Ca	Wilders		-392-6368	Tanh Botroms Count scotnerm, searce, as the chines the
	S TAKEN? (Circle One) YES TER TEST? (Circle One) YES			micro roentgents? (Circle O	ne) YES NO
STATE OF THE PARTY OF		TANK BO	TTOMS	นะกับสามราชาน	Accommod majorials a
1st Guage Feet	Inches	with the comment	BS&W/BBL	S Received long bits, aleased	BS&W (%)
2nd Guage		self is not pagaments and the	UL NO.	Free Water	Supplies addition
Received		eronico la segunda nomese i	Tot	al Received	y who observed
hereby certify that the above load mat	erial has been (circle one):	ACCEPTED SHIPM TO D	ENIED If den	ied, why?	mitromini societa bapil * hilo aloit for not mosti
NAME (PRINT)		DATE	TITLE	7	SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

itectiven	o, ocb.
-	44
ENVIRONMENTAL SOLUTIONS	
SULUTIONS	

REQUIRED INFORMATION

Company	Man	Contact information
of hotology		

Name	ON SOL	OI THOU

SOLUTIONS	A STATE OF THE WATER STATE OF THE WATER STATE OF THE STAT	Phone No. 570 0188311/1
	GENERATOR	NO. HW- 27039463
Generator Manifest #	Location of Origin	Phone No Provide a phone number wiggering gene Penning No Provide the Hallroad Commession
Generator Name	Lease/Well American Roll Marie & No. 1985	Lonso/ West Name & No Provide the name of the
Address	The state of the state of the county of the	County - Provide the county of weeks the weeks Was
Nt. Chata 7:-	API No.	Rig Name & No Provide the recens of the ordina or
ity, State, Zip	Rig Name & No. AFE/PO No.	ALEPO No Provide suffer the Authorization for Ex-
	aste/Service Identification and Amount (place volume next to w	aste type in barrels or cubic yards)
Dil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings Nater Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injectable)	Outlied - Arese denounced Actin and Marie and
Water Based Cuttings Produced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable)	Initial Completion - Vesia que enaixi or tre latere Production - Waste percented obytochlas production
Fank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
Gas Plant Waste	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRI	LLING COMPLETION PRODUCT	ION GATHERING LINES
	NON-EXEMPT E&P Waste/Service Identification and Am	nount
All non-exempt E&P Non-Exempt Other	waste must be analysed and be below threshold limits for toxicity (TCL)	P), Ignitability, Corrosivity adn Reactivity. ect from Non-Exempt Waste List on back
DISPOSAL QUANTITY	B - BARRELS L - LIQUID	Y-YARDS STATE - EACH C
hereby certify that the above listed material(s), is (are ackaged, and is in proper condition for transportation	not hazardous waste as defined by 40 CFR Part 261 or any applicable s	state law. That each waste has been properly described, classified and
RCRA EXEMPT: Oil field was	tes generated from oil and gas exploration and production operation and	d are not mixed with non-exempt waste (R360 Accepts certifications on a
per load bas RCRA NON-EXEMPT: Oil field was		s for waste hazardous by characteristics established in RCRA regulations
32-3126-W 123-141118 × 40 CFR 261.2	1-261.24, or listed hazardous waste as defined by 40 CFR, part 261, sub	
Waste as not waste as not make the property of the country of the	n-hazardous is attached. (Check the appropriate items as provided) RCRA Hazardous Waste Analysis	Other (Provide Description Below)
EMERGENCY NON-OILFIELD Emergency in	on-hazardous, non-oilfield waste that has been ordered by the Departm	NO. 10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10.01.2.10
determination	n and a description of the waste must accompany this form)	Wash O Based Driving funds + UV Burning funds
(PRINT) AUTHORIZED AGENTS SIGNATUR	E DATE	SIGNATURE
Greens from the part of and seems	TRANSPORTER	Wint Busil/Nut
ansporter's and a second a second and a second a second and a second a second and a second and a second and a	incremplate has	S) abumpming boxed area?
ddress seekew propriet eithau tauldberg eiteann	Print Name	Southern Committee Committ
hone No. was a wall and was a wall and was a wall and was a wall and wall a	Phone No.	THE TAX I I I I I I I I I I I I I I I I I I I
ransporter Ticket #	Truck No. 130 Control of the Control	Proposed Frances Corp. of Children Corp.
nereby certify that the above named material(s) was/	were picked up at the Generator's site listed above and delivered without	ut 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: OUT:	to hanegouterion	Name/No.
ite Name/ ermit No. Halfway Facility / NM	Prograp wastes from gatriering times Whatle	ETE 202 6260
	Aile Marker 66 Carlsbad, NM 88220	575-392-6368
NORM PEADINGS TAVENS (C.	And the property of the proper	> 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Ci	language of the participant of t	mon should be similar the sounds at
	TANK BOTTOMS	storane or draws at exempt wastes = Accumulated materials seed as hydrocartions.
Feet	Inches	solids, sends, and emulating from production
st Guage	/WS28 Interest of media, and be wreath.	/BBLS Received BS&W (%)
nd Guage eceived	prospectation on example visions and prospect	Free Water Total Received
	independent of the second of t	to providen servicino konvitalina vi
nereby certify that the above load material has been (circle one): ACCEPTED DENIED OF IT	denied, why?
	and the state of t	auteffergen blad meming apol die objes groet in



APPENDIX F

Laboratory Analytical Reports & Chain of Custody Documentation



August 26, 2024

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 342

Enclosed are the results of analyses for samples received by the laboratory on 08/20/24 14:48.

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.

Wite Sough

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/20/2024 Sampling Date: 08/20/2024

Reported: 08/26/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: 031558506 Sample Received By: Alyssa Parras

XTO (32.204208-103.862151) Project Location:

Sample ID: SS 01 0.5' (H245064-01)

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	08/21/2024	ND	2.19	109	2.00	0.199	
Toluene*	<0.050	0.050	08/21/2024	ND	2.25	113	2.00	1.55	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	2.26	113	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	6.87	115	6.00	0.217	
Total BTEX	<0.300	0.300	08/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/22/2024	ND	448	112	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	08/22/2024	ND	197	98.7	200	0.385	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	189	94.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					
Surrogate: 1-Chlorooctane	75.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/20/2024 Sampling Date: 08/20/2024

Reported: 08/26/2024 Sampling Type: Soil

Project Name:PLU 342Sampling Condition:Cool & IntactProject Number:031558506Sample Received By:Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.204208-103.862151)

mg/kg

Sample ID: SS 02 0.5' (H245064-02)

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	08/21/2024	ND	2.19	109	2.00	0.199	
Toluene*	<0.050	0.050	08/21/2024	ND	2.25	113	2.00	1.55	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	2.26	113	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	6.87	115	6.00	0.217	
Total BTEX	<0.300	0.300	08/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/22/2024	ND	448	112	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	08/22/2024	ND	197	98.7	200	0.385	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	189	94.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					
Surrogate: 1-Chlorooctane	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/20/2024 Sampling Date: 08/20/2024

Reported: 08/26/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO (32.204208-103.862151)

ma/ka

Sample ID: SS 03 0.5' (H245064-03)

RTFY 8021R

Result									
	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<0.050	0.050	08/22/2024	ND	2.19	109	2.00	0.199		
<0.050	0.050	08/22/2024	ND	2.25	113	2.00	1.55		
<0.050	0.050	08/22/2024	ND	2.26	113	2.00	0.302		
<0.150	0.150	08/22/2024	ND	6.87	115	6.00	0.217		
<0.300	0.300	08/22/2024	ND						
121 9	% 71.5-13	4							
mg/	'kg	Analyze	d By: CT						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
16.0	16.0	08/22/2024	ND	448	112	400	0.00		
mg/	'kg	Analyzed By: MS							
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<10.0	10.0	08/22/2024	ND	197	98.7	200	0.385		
<10.0	10.0	08/22/2024	ND	189	94.5	200	1.39		
<10.0	10.0	08/22/2024	ND						
77.8	% 48.2-13	4							
84.8	% 49.1-14	8							
-	<0.050 <0.050 <0.050 <0.150 <0.300 1215 mg/ Result 16.0 mg/ <10.0 <10.0 <77.8	<0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 121 % 71.5-13 mg/kg Result Reporting Limit 16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <77.8 % 48.2-13	<0.050	<0.050	<0.050	<td><0.050</td> 08/22/2024 ND 2.25 113 <0.050	<0.050	<0.050	<0.050

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/20/2024 Sampling Date: 08/20/2024

Reported: 08/26/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.204208-103.862151)

mg/kg

Sample ID: SS 04 0.5' (H245064-04)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.19	109	2.00	0.199	
Toluene*	<0.050	0.050	08/22/2024	ND	2.25	113	2.00	1.55	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.26	113	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.87	115	6.00	0.217	
Total BTEX	<0.300	0.300	08/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/22/2024	ND	448	112	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	08/22/2024	ND	197	98.7	200	0.385	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	189	94.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/20/2024 Sampling Date: 08/20/2024

Reported: 08/26/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras 031558506

Project Location: XTO (32.204208-103.862151)

Sample ID: SS 05 0.5' (H245064-05)

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	08/22/2024	ND	2.19	109	2.00	0.199	
Toluene*	<0.050	0.050	08/22/2024	ND	2.25	113	2.00	1.55	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.26	113	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.87	115	6.00	0.217	
Total BTEX	<0.300	0.300	08/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/22/2024	ND	448	112	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	08/22/2024	ND	197	98.7	200	0.385	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	189	94.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/20/2024 Sampling Date: 08/20/2024

Reported: 08/26/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 031558506 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.204208-103.862151)

mg/kg

Sample ID: SS 06 0.5' (H245064-06)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.19	109	2.00	0.199	
Toluene*	<0.050	0.050	08/22/2024	ND	2.25	113	2.00	1.55	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.26	113	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.87	115	6.00	0.217	
Total BTEX	<0.300	0.300	08/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/22/2024	ND	448	112	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	08/22/2024	ND	197	98.7	200	0.385	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	189	94.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Notes and Definitions

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

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

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(575) 393-2326 FAX (575) 393-2476	AX (575) 393-24	76						
Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO			ANALYSIS	YSIS REQUEST	L
Project Manager:	THACH HILL	and		P.O. #:					
Address: 601 N I	Address: 601 N Marienfeld Street, Suite 400	lite 400		P	Energy				
City: Midland		State: TX	Zip: 79701	1					
Phone #: 575	-937-390	() Fax #:		Address: SIOH E. (greene st				
Project #: 03(1558501	Project Owner:		city: Carlsbar	2			_	_
me:				State: NM Zip: 88%	220				
	2	,-103.	802151	Phone #:					
Sampler Name: Tracy Hillard	Fraey Hillard M.	O'Dell		1					
FOR LAB USE ONLY			MATRIX	PRESERV. SAM	SAMPLING				
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TPH 8015	BTEX 8021	Chloride 4500		
L L	5501	0.5	- \x	- ×	11.5 X	-×	-×		
חמ	70000				11:50				
١ ٦	4055				11:55	F			
N -	5005				17.00	=			
6	91055	~	9	4	12:05	0	4		
PLEASE NOTE: Liability a analyses. All claims includ	nd Damages. Cardinal's liability and ing those for negligence and any of ardinal be liable for incidental or or	client's exclusive remedy for a her cause whatsoever shall be ansequental damages, includin	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or lort, shall be limited to the amount 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 waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including the 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,	act or tort, shall be limited to the amount paid by the client for the and received by Cardinal within 30 days after completion of the s, loss of use, or loss of profits incurred by client, its subsidiaries	ount paid by the client for the days after completion of the applicated by client, its subsidiaries,	cable			
Relinquished By:	y:	Date: 2024	der by Cardinal, regardless of whether such claims so	III IS DESECT OPER WITH WAS A SECTION OF THE WASHINGTON	Verbal Result: All Results are	emailed	Verbal Result: ☐ Yes ☐ Yoo Add'I Phone #: All Results are emailed. Please provide Email address: RReilil@ensolum.com, TMorrissev@ensolum.com, THilla	erhal Result: ☐ Yes ☐ No Add'I Phone #: Il Results are emailed. Please provide Email address: BReiili@ensolum.com. TMorrissey@ensolum.com, THillard@ensolum.com	
Relinguished By:	of Bis	Date: 5-7074	Received By:	0	COST (BO	ante	1.139421	Center: 1139421001	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sircle One) Bus - Other:	Corrected Tamp. C	Sample Condition Cool Intact Pes Yes	dition CHECKED BY:	Turnaround Time:	me: #113	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C	
			ON L	-	Correspond			п	

Page 9 of 9



August 26, 2024

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 342

Enclosed are the results of analyses for samples received by the laboratory on 08/20/24 14:48.

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

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

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

Wite Sough

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/20/2024 Sampling Date: 08/20/2024 Soil

Reported: 08/26/2024 Sampling Type: Project Name: PLU 342 Sampling Condition:

Cool & Intact Project Number: 031558506 Sample Received By: Alyssa Parras

XTO (32.204208-103.862151) Project Location:

Sample ID: SS 07 0.5' (H245066-01)

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	08/22/2024	ND	2.19	109	2.00	0.199	
Toluene*	<0.050	0.050	08/22/2024	ND	2.25	113	2.00	1.55	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.26	113	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.87	115	6.00	0.217	
Total BTEX	<0.300	0.300	08/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/22/2024	ND	448	112	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	08/22/2024	ND	203	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	193	96.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/20/2024 Reported:

08/26/2024 PLU 342

Project Name: Project Number: 031558506

Project Location: XTO (32.204208-103.862151) Sampling Date: 08/20/2024

Sampling Type: Soil

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

Sample ID: SS 08 0.5' (H245066-02)

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	08/22/2024	ND	2.19	109	2.00	0.199	
Toluene*	<0.050	0.050	08/22/2024	ND	2.25	113	2.00	1.55	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.26	113	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.87	115	6.00	0.217	
Total BTEX	<0.300	0.300	08/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/22/2024	ND	448	112	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	08/22/2024	ND	203	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	193	96.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					
Surrogate: 1-Chlorooctane	75.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



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

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

Mile Sough

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Company Name:	1700 (010) 000-2410		
Broject Manager: Ensolum, LLC		ANAL TO	ANALYSIS REQUEST
Address: 601 N. Marienfeld St. STE 400	E 400 Company:	X TO FOUND I	
City: Midland	State: TX Zip: 79701 Attn: Am	NU PIFTO	
Phone #: 575-037-3	60	3 to 4 E. Greene St	
Project #: 036155850		3	
Project Name: PLU 342		Vzip: 88220	_
Project Location: 32 - 2042	208, -103 -802151 Phone #:		
Sampler Name: M. O'Del	Fax#:	5	_
FOR LAB USE ONLY		SAMPLING	
Lab I.D. Sample I.D.	(feet) Sample Depth (G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	CHIOVI TPH BTEX	
5507	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8 20 24 1	
2 5508	0.5° 61 X	1V 12:15 X X X	
The control of the co	Ancesser when the contract of the second processes and any other cause whatsoever shall be deemed was and on the contract or tort, shall be limited to the amount paid by the client's exclusive remedy for any client arising whether based in contract or tort, shall be limited to the amount paid by the client's early and processes and any other cause whatsoever shall be deemed washed unless made in writing and received by Cardinal within 30 days after completion of the applicable service, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or reliabed to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	d to the amount paid by the client for the I within 30 days after completion of the applicable profits incurred by client, its subsidiaries, the above stated reasons or otherwise.	
hed By		Verbal Result:	add Phone #: de Email address: Ille engol un com to morriss: OAPP2421837094 139421001
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact Cool Intact No No No	(Initials) Thermometer ID #113 / 140 Correction Factor -0-5-C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No. Corrected Temp. °C



October 29, 2024

TACOMA MORRISSEY
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: PLU 342

Enclosed are the results of analyses for samples received by the laboratory on 10/25/24 12:06.

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 TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/25/2024 Reported: 10/29/2024

Project Name: PLU 342
Project Number: 03C1558506

Project Location: XTO

Sampling Date: 10/24/2024

Sampling Type: Soil

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

Sample ID: SS 09 0.5 (H246515-01)

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	10/28/2024	ND	2.17	109	2.00	5.35	
Toluene*	<0.050	0.050	10/28/2024	ND	2.27	113	2.00	4.35	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.36	118	2.00	5.00	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	7.02	117	6.00	4.89	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2024	ND	207	104	200	5.78	
DRO >C10-C28*	<10.0	10.0	10/26/2024	ND	199	99.7	200	6.41	
EXT DRO >C28-C36	<10.0	10.0	10/26/2024	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

Applyand By 14

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/25/2024 Reported: 10/29/2024

Project Name: PLU 342
Project Number: 03C1558506

Project Location: XTO

Sampling Date: 10/24/2024

Sampling Type: Soil

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

Sample ID: BH 01 1 (H246515-02)

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	10/28/2024	ND	2.17	109	2.00	5.35	
Toluene*	<0.050	0.050	10/28/2024	ND	2.27	113	2.00	4.35	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.36	118	2.00	5.00	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	7.02	117	6.00	4.89	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2024	ND	207	104	200	5.78	
DRO >C10-C28*	<10.0	10.0	10/26/2024	ND	199	99.7	200	6.41	
EXT DRO >C28-C36	<10.0	10.0	10/26/2024	ND					
Surrogate: 1-Chlorooctane	53.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	49.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Freene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/25/2024 Reported: 10/29/2024

Project Name: PLU 342
Project Number: 03C1558506

Project Location: XTO

Sampling Date: 10/24/2024

Sampling Type: Soil

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

Sample ID: SS 10 0.5 (H246515-03)

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	10/28/2024	ND	2.17	109	2.00	5.35	
Toluene*	<0.050	0.050	10/28/2024	ND	2.27	113	2.00	4.35	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.36	118	2.00	5.00	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	7.02	117	6.00	4.89	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/28/2024	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	10/26/2024	ND	207	104	200	5.78	
DRO >C10-C28*	1270	10.0	10/26/2024	ND	199	99.7	200	6.41	
EXT DRO >C28-C36	472	10.0	10/26/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/25/2024 Reported: 10/29/2024

Project Name: PLU 342 Project Number: 03C1558506

Project Location: XTO Sampling Date: 10/24/2024

Sampling Type: Soil

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

Sample ID: BH 04 1 (H246515-04)

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	10/28/2024	ND	2.17	109	2.00	5.35	
Toluene*	<0.050	0.050	10/28/2024	ND	2.27	113	2.00	4.35	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.36	118	2.00	5.00	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	7.02	117	6.00	4.89	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2024	ND	207	104	200	5.78	
DRO >C10-C28*	<10.0	10.0	10/26/2024	ND	199	99.7	200	6.41	
EXT DRO >C28-C36	<10.0	10.0	10/26/2024	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/25/2024 Reported: 10/29/2024

Project Name: PLU 342
Project Number: 03C1558506

Project Location: XTO

Sampling Date: 10/24/2024

Sampling Type: Soil

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

Sample ID: BH 04A 2 (H246515-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.17	109	2.00	5.35	
Toluene*	<0.050	0.050	10/28/2024	ND	2.27	113	2.00	4.35	
Ethylbenzene*	< 0.050	0.050	10/28/2024	ND	2.36	118	2.00	5.00	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	7.02	117	6.00	4.89	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/28/2024	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	10/26/2024	ND	207	104	200	5.78	
DRO >C10-C28*	<10.0	10.0	10/26/2024	ND	199	99.7	200	6.41	
EXT DRO >C28-C36	<10.0	10.0	10/26/2024	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/25/2024 Reported:

10/29/2024 PLU 342 Project Number: 03C1558506

Project Location: XTO Sampling Date: 10/24/2024

Sampling Type: Soil

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

Sample ID: SS 11 0.5 (H246515-06)

Project Name:

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.17	109	2.00	5.35	
Toluene*	<0.050	0.050	10/28/2024	ND	2.27	113	2.00	4.35	
Ethylbenzene*	< 0.050	0.050	10/28/2024	ND	2.36	118	2.00	5.00	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	7.02	117	6.00	4.89	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/28/2024	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	10/26/2024	ND	207	104	200	5.78	
DRO >C10-C28*	<10.0	10.0	10/26/2024	ND	199	99.7	200	6.41	
EXT DRO >C28-C36	<10.0	10.0	10/26/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Notes and Definitions

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

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

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene

Relinquished By

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

300

Relinquished By:

4

Time: 0900 Date: 10/25/24

Received By:

Received By:

All Results are emailed. Please provide Email address:

Add'I Phone #:

THillard@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com

Verbal Result:

REMARKS: Cost Center: 1139421001

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:	Ensolum, LLC					B	BILL TO					ANALYSIS REQUEST
Project Manager:		issey				P.O. #:						
Address: 3122 N	Address: 3122 National Parks Hwy	Ŋ				Company: XTO Energy Inc.	(TO Ener	av Inc.				
city: Carlsbad		State: NM	Zip: 88220	00	220	Attn: Colton Brown	Brown	0)				
Phone #: 337 257-8307	257-8307	Fax #:				Address: 3104 E. Green	04 E. Gr	een St.				
Project #: 03C	03C1558506	Project Owner: XTO	Ξ	0		city: Carlsbad	oad					
Project Name:	PLU 342					State: NM	Zip: 88220	0				
Project Location:						Phone #:						
Sampler Name:	The whit	hen				Fax #:						
FOR LAB USE ONLY			7	4	MATRIX	PRESERV	SAMPLING	LING				
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	DATE	TIME	BTEX	TPH	CHLORIDE	
	5509	0.5	-			- 1	12-12-01	1000	-	-	-	
رو	BH01	1	=				-	1000				
W	0/55	0.5		_				10,40		+		
2	BHOH	1						1100				
ч	BHAIA	2						1105				
6	SsII	0.5	4	-	4	_	<u> </u>	1130	-	-		
				+								
										0	8	
				-							/	

CHECKEBBY (Initials)

ndard Da

Bacteria (only) Sample Condition

Observed Temp. Corrected Temp, °C

റ്

Incident ID: NAPP2407438506

Cool Intact



November 11, 2024

TACOMA MORRISSEY
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: PLU 342

Enclosed are the results of analyses for samples received by the laboratory on 11/07/24 14:10.

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 TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/07/2024 Reported: 11/11/2024

Project Name: PLU 342
Project Number: 03C1558506

Project Location: XTO

Sampling Date: 11/06/2024

Sampling Type: Soil

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

Sample ID: BH 01 D 4' (H246796-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2024	ND	1.74	87.2	2.00	21.9	
Toluene*	<0.050	0.050	11/08/2024	ND	1.69	84.6	2.00	20.7	
Ethylbenzene*	<0.050	0.050	11/08/2024	ND	1.70	84.8	2.00	20.1	
Total Xylenes*	<0.150	0.150	11/08/2024	ND	5.00	83.4	6.00	20.4	
Total BTEX	<0.300	0.300	11/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/11/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	201	101	200	0.230	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	193	96.4	200	0.774	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/07/2024 Reported: 11/11/2024

Project Name: PLU 342 Project Number: 03C1558506

Project Location: XTO Sampling Date: 11/06/2024

Sampling Type: Soil

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

Sample ID: BH 02 D 4' (H246796-02)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2024	ND	1.74	87.2	2.00	21.9	
Toluene*	<0.050	0.050	11/08/2024	ND	1.69	84.6	2.00	20.7	
Ethylbenzene*	<0.050	0.050	11/08/2024	ND	1.70	84.8	2.00	20.1	
Total Xylenes*	<0.150	0.150	11/08/2024	ND	5.00	83.4	6.00	20.4	
Total BTEX	<0.300	0.300	11/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 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	64.0	16.0	11/11/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	201	101	200	0.230	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	193	96.4	200	0.774	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/07/2024 Reported: 11/11/2024

Project Name: PLU 342 Project Number: 03C1558506

Project Location: XTO Sampling Date: 11/06/2024

Sampling Type: Soil

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

Sample ID: BH 03 B 2' (H246796-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2024	ND	1.74	87.2	2.00	21.9	
Toluene*	< 0.050	0.050	11/08/2024	ND	1.69	84.6	2.00	20.7	
Ethylbenzene*	<0.050	0.050	11/08/2024	ND	1.70	84.8	2.00	20.1	
Total Xylenes*	<0.150	0.150	11/08/2024	ND	5.00	83.4	6.00	20.4	
Total BTEX	<0.300	0.300	11/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 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	11/11/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	201	101	200	0.230	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	193	96.4	200	0.774	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					
Surrogate: 1-Chlorooctane	106 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	6 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/07/2024 Reported:

11/11/2024 Project Name: PLU 342

Project Number: 03C1558506 Project Location: XTO

Sampling Date: 11/06/2024

Sampling Type: Soil

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

Sample ID: BH 03 E 5' (H246796-04)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2024	ND	1.74	87.2	2.00	21.9	
Toluene*	<0.050	0.050	11/08/2024	ND	1.69	84.6	2.00	20.7	
Ethylbenzene*	<0.050	0.050	11/08/2024	ND	1.70	84.8	2.00	20.1	
Total Xylenes*	<0.150	0.150	11/08/2024	ND	5.00	83.4	6.00	20.4	
Total BTEX	<0.300	0.300	11/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 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	1390	16.0	11/11/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	201	101	200	0.230	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	193	96.4	200	0.774	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/07/2024 Reported:

11/11/2024

Project Name: PLU 342 Project Number: 03C1558506

Project Location: XTO Sampling Date: 11/06/2024

Sampling Type: Soil

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

Sample ID: BH 03 F 6' (H246796-05)

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	11/08/2024	ND	1.74	87.2	2.00	21.9	
Toluene*	<0.050	0.050	11/08/2024	ND	1.69	84.6	2.00	20.7	
Ethylbenzene*	<0.050	0.050	11/08/2024	ND	1.70	84.8	2.00	20.1	
Total Xylenes*	<0.150	0.150	11/08/2024	ND	5.00	83.4	6.00	20.4	
Total BTEX	<0.300	0.300	11/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 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	928	16.0	11/11/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	201	101	200	0.230	
DRO >C10-C28*	11.3	10.0	11/08/2024	ND	193	96.4	200	0.774	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/07/2024 Reported: 11/11/2024

Reported: 11/11/2024 Project Name: PLU 342

03C1558506

Project Location: XTO

Project Number:

BTEX 8021B

Sampling Date: 11/05/2024

Sampling Type: Soil

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

Sample ID: BH 04 D 4' (H246796-06)

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2024	ND	1.74	87.2	2.00	21.9	
Toluene*	<0.050	0.050	11/08/2024	ND	1.69	84.6	2.00	20.7	
Ethylbenzene*	<0.050	0.050	11/08/2024	ND	1.70	84.8	2.00	20.1	
Total Xylenes*	<0.150	0.150	11/08/2024	ND	5.00	83.4	6.00	20.4	
Total BTEX	<0.300	0.300	11/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/11/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	201	101	200	0.230	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	193	96.4	200	0.774	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/07/2024 Reported:

11/11/2024

Project Name: PLU 342 Project Number: 03C1558506

Project Location: XTO Sampling Date: 11/05/2024

Sampling Type: Soil

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

Sample ID: BH 05 D 4' (H246796-07)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2024	ND	1.74	87.2	2.00	21.9	
Toluene*	<0.050	0.050	11/08/2024	ND	1.69	84.6	2.00	20.7	
Ethylbenzene*	<0.050	0.050	11/08/2024	ND	1.70	84.8	2.00	20.1	
Total Xylenes*	<0.150	0.150	11/08/2024	ND	5.00	83.4	6.00	20.4	
Total BTEX	<0.300	0.300	11/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/11/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	201	101	200	0.230	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	193	96.4	200	0.774	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

S-04



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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene

Sampler - UPS - Bus - Other:

Corrected Temp. °C 1, 9

Cool Intact
Wes Tyes
No No Sample Condition

Bacteria (only) Sample Condition
Cool Intact Observed Temp. '
Yes Yes
No No Corrected Temp.

Observed Temp. °C Corrected Temp, °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name: Ensolum IIIC			
Project Manager:	homsson	BILL 10	ANALYSIS REQUEST
Address: 3122 National Parks Hwy		Company: XTD FURTHING	
City: Carlsbad	State: NM Zip: 88220	Attn: (plkp) Basi	
Phone #: 357-757-8		Address: YOH Floren Y	
Project #: 03(1558506	Project Owner:	050×7	
Project Name: PLV 347		3	
Project Location:		Phone #: 888 116/24	
Sampler Name: Me rele	e Paroous	Fax#:	
FOR LAB USE ONLY	P. MATRIX	PRESERV. SAMPLING	ا ما
Lab I.D. Sample I.D.	(feet) AB OR (C)OM NTAINERS JINDWATER TEWATER	R: BASE:	Mo
HO46PH	# CON	OTHE ACID/OTHE DATE TIME	(
O DAOLU	S GIL	X 111674 13:58 X	X
20000	2-0	th:80	
150419 h	2	05:50	
S SHOOT	6	10:04	
10 12 B	الم	th:SIM25111	
Transi	£,	- Hirly -	<u>+</u>
D1 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
analyses. All claims including those for negligence and any of service. In no event shall Cardinal be liable for incidental or co affiliates or successors arising out of or related to the performa	r shall be deemed waived unless ma , including without limitation, business under by Cardinal, regardless of whet	or ment of the state of the sta	
Medial Ban	Times:	Verbal Result:	
Relinquished By:	Date: 7.24 Received By:	REMARKS:	RECORDING THE CALL OF THE PROPERTY OF CHILD
Delivered By: (Circle One)	Observed Temp. C 23 Sample Condition Cool Intact	ion CHECKED BY: Turnaround Time:	Standard Bacteria (only) Sample Condition Rush Cool Infact Observed Team of

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

Page 10 of 10



December 30, 2024

TACOMA MORRISSEY
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: PLU 342

Enclosed are the results of analyses for samples received by the laboratory on 12/20/24 11:20.

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)

Wite Sough

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024
Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 01 0.5' (H247730-01)

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	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 02 0.5' (H247730-02)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mr. Songh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 03 0.5' (H247730-03)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 04 0.5' (H247730-04)

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	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	117 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558506 Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 05 0.5' (H247730-05)

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	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 06 0.5' (H247730-06)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558506 Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 07 0.5' (H247730-07)

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	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	131 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	6 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 08 0.5' (H247730-08)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	72.9	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	19.9	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 09 0.5' (H247730-09)

BTEX 8021B

DILX OUZID	mg/	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	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	160	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	130	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558506 Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 10 0.5' (H247730-10)

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	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 11 0.5' (H247730-11)

BTEX 8021B

DIEX GOZID	9/	<u>ng</u>	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 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	160	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	130	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 12 0.5' (H247730-12)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/24/2024	ND	1.64	82.2	2.00	9.84	
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0	
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95	
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91	
Total BTEX	<0.300	0.300	12/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 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	96.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 13 0.5' (H247730-13)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	64.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 14 0.5' (H247730-14)

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	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	< 0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	< 0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 15 0.5' (H247730-15)

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	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	64.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	108 5	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 16 0.5' (H247730-16)

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	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 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	48.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	670	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	377	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024

Sampling Date:

12/19/2024 Soil

Reported: Project Name: 12/30/2024 PLU 342 Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

03C1558506

ma/ka

Sample Received By:

Tamara Oldaker

Project Location:

RTFY 8021R

XTO - 32.204208-103.862151

Sample ID: CS 17 0.5' (H247730-17)

B1EX 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	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 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	32.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	612	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	363	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Analyzed By: 14

Cardinal Laboratories

*=Accredited Analyte

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

Mile Single



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 18 0.5' (H247730-18)

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	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 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	96.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 19 0.5' (H247730-19)

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	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 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	<16.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	670	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	377	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 20 0.5' (H247730-20)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150 <0.300	0.050 0.050 0.050 0.050 0.150 0.300	Analyzed 12/26/2024 12/26/2024 12/26/2024 12/26/2024 12/26/2024	Method Blank ND ND ND ND	BS 1.80 1.87 1.82 5.31	% Recovery 90.0 93.6 91.0	True Value QC 2.00 2.00 2.00	RPD 0.884 0.313 0.398	Qualifier
<0.050 <0.050 <0.150 <0.300	0.050 0.050 0.150	12/26/2024 12/26/2024 12/26/2024	ND ND	1.87 1.82	93.6	2.00	0.313	
<0.050 <0.150 <0.300	0.050 0.150	12/26/2024 12/26/2024	ND	1.82				
<0.150 <0.300	0.150	12/26/2024			91.0	2.00	0.398	
<0.300			ND	E 21				
	0.300	12/26/2024		3.31	88.5	6.00	0.595	
98 1			ND					
70.1	% 71.5-13	4						
mg,	/kg	Analyze	d By: KV					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	12/26/2024	ND	416	104	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	12/26/2024	ND	205	102	200	2.88	
<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
<10.0	10.0	12/26/2024	ND					
98.3	% 48.2-13	4						
	0/ 40 1 14	Q						
	Result <16.0 mg, Result <10.0 <10.0 <10.0 <98.3	mg/kg Result Reporting Limit <16.0 16.0 mg/kg Result Reporting Limit <10.0	mg/kg Analyzed Result Reporting Limit Analyzed <16.0	Manalyzed By: KV Result Reporting Limit Analyzed Method Blank < 12/26/2024 ND Manalyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	Manalyzed By: KV Result Reporting Limit Analyzed Method Blank BS <16.0	Manalyzed By: KV Result Reporting Limit Analyzed Method Blank BS % Recovery <16.0	mg/kg Analyzed By: KV Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC < 16.0	mg/kg Analyzed By: KV Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <16.0

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 21 0.5' (H247730-21)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 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	32.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 22 0.5' (H247730-22)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	< 0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 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	80.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558506 Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 23 0.5' (H247730-23)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 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	48.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 24 0.5' (H247730-24)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 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	64.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 25 0.5' (H247730-25)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 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	64.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Reported: 12/30/2024

12/30/2024

Project Name: PLU 342
Project Number: 03C1558506

Project Location: XTO - 32.204208-103.862151

Sampling Date: 12/19/2024

Sampling Type: Soil

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

Sample ID: CS 26 0.5' (H247730-26)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	64.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	138	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	74.5	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 27 0.5' (H247730-27)

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	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	79.4	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	34.9	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 28 0.5' (H247730-28)

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	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/26/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	35.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	18.3	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 03C1558506

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 29 0.5' (H247730-29)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	14.8	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	114 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 %	6 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 30 0.5' (H247730-30)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024

Sampling Date:

12/19/2024

Reported:

12/30/2024

mg/kg

Sampling Type:

Soil

Project Name: Project Number:

BTEX 8021B

PLU 342

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

Project Location:

03C1558506 XTO - 32.204208-103.862151

Sample ID: CS 31 0.5' (H247730-31)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 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	32.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	205	102	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	169	84.4	200	6.14	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

MMc Songh

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

Page 32 of 48



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/19/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 32 0.5' (H247730-32)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.80	90.0	2.00	0.884	
Toluene*	<0.050	0.050	12/26/2024	ND	1.87	93.6	2.00	0.313	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.82	91.0	2.00	0.398	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.31	88.5	6.00	0.595	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 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	32.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	130	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 33 0.5' (H247730-33)

RTFY 8021R

B1EX 8021B	mg,	r Kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	96.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558506 Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 34 0.5' (H247730-34)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 35 0.5' (H247730-35)

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	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558506 Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 36 0.5' (H247730-36)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	119 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	6 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558506 Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 37 0.5' (H247730-37)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	192	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558506 Tamara Oldaker

Project Location: XTO - 32.204208-103.862151

Sample ID: CS 38 0.5' (H247730-38)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	127 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	6 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 39 0.5' (H247730-39)

BTEX 8021B

DILX GOZID	ilig/	, kg	Andryzo	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	48.0	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	118	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO - 32.204208-103.862151

mg/kg

Sample ID: CS 40 0.5' (H247730-40)

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	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Me Sough



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 12/20/2024 Sampling Date: 12/20/2024

Reported: 12/30/2024 Sampling Type: Soil

Project Name: PLU 342 Sampling Condition: Cool & Intact
Project Number: 03C1558506 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO - 32.204208-103.862151

ma/ka

Sample ID: CS 41 0.5' (H247730-41)

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	12/26/2024	ND	2.08	104	2.00	0.0663	
Toluene*	<0.050	0.050	12/26/2024	ND	2.09	104	2.00	0.0474	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.151	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.40	107	6.00	0.539	
Total BTEX	<0.300	0.300	12/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	192	16.0	12/27/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	202	101	200	0.0906	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	187	93.4	200	0.730	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

DY AND ANALYSIS REQUES

(575)	(575) 393-2326 FAX (575	FAX (575) 393-2476	76						ANALYSIS	SIS REQUEST	EST
Company Name: Ensolum, LLC	- 1				BILL 10	-		+		- 1	
Project Manager: WOWW	MON MON	Monissey		P.O. #:				_		_	
=	Parks Hwy			Company:	Company: XTO Energy Inc			_	_		
City: Carlsbad		State: NM	Zip: 88220	Attn: Colton Brown	Brown						
Dhone #: 227 261	132	Fax #:		Address: 3	Address: 3104 E Green St						
SA ISTA	200	Project Owner: XTO	хто	City: Carlsbad	oad			_	_		
PIG				State: NM	Zip: 88220					_	
Project Name:		152 06216	3 (Phone #:							
Project Location: 32	Gor. 1702	-107.66217	2	Fay#:							
Sampler Name: Joshua Boxley	Boxley		VIGTOR	L	SAMPLING	ď				_	
Lab I.D. Sai	Sample I.D.	Depth (feet)	PAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER DIL	LUDGE THER: CID/BASE:	5	Chlorides	НДТ	X∃T8			
H247736	0	12.6	# G V	S (i,	100 ×	0	8			
80 C8	1882	_				65	+				
23 63	283					115					
15	2000					(20	-				
0 0	200					125		-			
6	180					(70	-				
3/8	18					135					
200	000					700					
1	43	5.0	- ×	7	12,19,24	705 X	K	X	-	F	
PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based to contract or fort, shall be imised up are mised up and properly claims within a policy and properly cardinal within 30 days after completion of the applications including those for negligence and any other cause whatebower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applications. Analyses, All claims including those for negligence and any other cause whatebower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applications.	es. Cardinal's liability a for negligence and any	and client's exclusive remedy for other cause whatsoever shall b	any claim arising whether base e deemed waived unless made e wahout limitation, business in	d in contract or tort, shall be lift in writing and received by Carr herruptions, loss of use, or los	sinal within 30 days after of profits incurred by clie	ompletion of the app nt, its subsidiaries,	olicable				
service. In no event shall Cardinal be affiliates or successors arising out of Rellinquished By:	Cardinal be liable for incidental or or sing out of or related to the perform	mance of services hereunder by Car Page: 2-20-24 Time:////	Received By:	whether such claim is based upon an ay:	of the above stated reas	Verbal Result:	1 0	/es □ No d. Please pro elumacom, Ti	o Add'I provide En TMorrisse	☐ Yes ☐ No Add'i Phone #: emailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com	☐ Yes ☐ No Add'I Phone #: mailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com
Relinquished By:		Date:	Received By:			remarks: AP 24074 38506 Incident: WAP 24074 38506	1139 1139	13942100	0	Postorio (only)	Bodoria (only) Sample Condition
Delivered By: (Circle One)	One)	Corrected Temp.	Sample Cond Cool Infact Cool I	lition /	CHECKED BY: (Initials)	Turnaround Time:	D #119 #	HILES	126/24		Observed Temp. °C Corrected Temp. °C
FURM-008 R 3.2	10/0//21	† Cardina	Cardinal cannot accept verbal changes. Please email changes to celey.	rbal changes. Ple	ase email char	iges to cele	y.keene	keene@cardinallabsnm.com	llabsnm.	com	

	STODY
	AND
	ANAL
	YSIS
)	REQUE

(575) 393-2326 F	FAX (575) 393-2476		07 1110		ANALYSIS REQUEST	JEST
Company Name: Ensolum, LLC			DILL IO	-		
	Morrissey	P.	P.O. #:			
ional Parks H		0	Company: XTO Energy Inc	10		
City: Carlsbad	State: NM Z	Zip: 88220 A	Attn: Colton Brown			
Phone #: 337 251 8301	Fax #:	A	Address: 3104 E Green of			
305,1258506	Project Owner: XTO		City: Carlsbad			
Project #: VC7/C7/C			State: NM Zip: 88220			
1 0	105 862151	P	Phone #:			
Project Location: 74.000	1000000	71	Fax #:			
Sampler Name: Joshua Boxley		MATRIX	PRESERV. SAMPLING	ING		
FOR LAB USE ONLY		R		0		
Lab I.D. Sample I.D.	Depth (feet)	G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX =		
1150 1111111	0.5		12.1924	710		
12 (512				022		
				1235		
1				1240		
10 0010				1245		
17 (517				2/2/		
9153 81				027		
6152 61	7		12.19.24	1325	7	
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or brit, shall be limited to the amount plus by the period of the applicab please. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or both by Cardinal within 30 days after completion of the applicab please. Cardinal's liability and client's exclusive remedy by the state of the contract of the cortical plant is contracted by client, its subsidiaries.	and client's exclusive remedy for a y other cause whatsoever shall be o	y claim arising whether based in contract of the contract of t	arising whether based in contract or fort, shall be limited to the amount pact by term one a waived unless made in waived and received by Cardinal within 30 days after completion of the awaived unless made in waiving and received by Cardinal within 30 days after completion of the awaived unless or loss of profits incurred by client, its subsidiaries.	r completion of the applicable ident, its subsidiaries.		
service. In no event shall Cardinal bis label for incidental or consequential damages, inclosure years affiliates or successors arising out of or related to the performance of services hereunder by: Pate: 72-24 Received By: All Results :	or consequental damages, including termance of services hersunder by Commance of Services hersunder by Comma	Received By:	s based upon any of the above stated re	Verbal Result:	One or one was: Ves	om, KThomason@ensolum.co
Relinquished By:	Date:	Received By:	Stant &	REMARKS: APP 1407439 Incident: MAPP 1407439 Cost Center: 13942100	5	A Sample Condition
Delivered By: (Circle One)	Observed Temp. *C	Sample Condition Cool Infract S BYes Tyes	ion CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 # Correction Feator -0.5°C	Transfer of Standard Cool Infacts Standard Cool Infacts Cool	Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C
FURM-006 K 3.2 10/0/1/21	† Cardinal	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	anges. Please email cha	anges to celey.keene@c	ardinallabsnm.com	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(5/5) 393-2320	-2320 FAX (313) 335-2-110	BILL TO	ANALYSIS REQUEST
1 :	11	P.O. #:	
allager 100	MONTHS HIM	Company: XTO Free 94	the
City Middlend Cox Sheld	State: IXVM Zi	Attn: 6/pm Snown!	
	\$307 Fax#:	Address: 3/04 E Green	75
03615585		city: Corlsbad	
me: PIV	2	State: NM Zip: 98720	300
on: 37.	204208, -103, 562, 51	Phone #:	
tx mo	Taxley .	1	
20/1	-	MATRIX PRESERV. SAMPLING	10
Lab I.D. Sample I.D.	e I.D. (feet) Depth (G)RAB OR (C)OMI # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME SAPURAL
253 19		12 b 21 A	340 8
200 62	7		
63	1		1255
63			1410
53			1415
27 (27	76		1426
28 652	8		725
152	91		436
50 05	10 0.5 CI	7. 9.74 440	d by the clent for the
PLEASE NOTE: Liability and Damages. Carr analyses. All claims including those for neglig	Lability and Damages. Cardinal's lability and client's exclusive remedy for any claim aris ms including those for regigence and any other cause whatsoever shall be deemed wais ms including those for regigence and any other cause whatsoever including without limit and the control of the c	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive renord for any claim artering whetere based in control or the application of the applications and claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in whiting and received by Cardinal within 30 days after completion of the applications. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in whiting and received by Cardinal within 30 days after completion of the applications. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in whiting and received by Cardinal within 30 days after completion of the applications.	able
affiliates or successors arising out of or related to the per Relinquished By:	to the performance of services hereunder by Cardinsl. reg. Date: Z-ZD Z4 Rece Time: / / /	Sinal, regardless of whether such claim is based upon any of the above suspecting. Received By:	Verbal Result: Pes No Add'l Phone #: All Results are emailed. Please provide Email address: All Non'issey Devision, Kingra ser O evolum sem
Relinquished By:	00	Received By:	inadent: NAPP 2407438506 CC=[13942100]
	Ilme:	Sample Condition CHECKED BY:	Time:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. C J.	Cool Intact	AS # HAS DOS MINOCI
FURM-006 R 3.2 10/03	† Cardinal cannot	0	anges to celey.keene@cardinallabsnm.com

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

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326	(575) 393-2326 FAX (575) 393-2476	476			1
Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO	ANALYSIS REQUEST	T
Project Manager:		Maristell		P.O. #:		
Address: 3/22	B	S Hwy		Company: YTO Everay	Two	_
City: Midland-Co-	15001	State:-TX	NMZip: 85220	Attn: College Brown		_
Phone #: 331		Fax #:		Address: 5104 E. GNEW	X 100	_
	. 4	Project Owner:	: XTO	City: (or 15 land		_
Project Name:	PLU 342			State: NM Zip: 86770	77.0	_
en:	Bachol 22	8, -103,862	(5)	Phone #:	13.	
Sampler Name:	4	ey		Fax #:	ug	
FOR LAB USE ONLY	- 1		MATRIX	PRESERV. SAM	SAMPLING	
Lab I.D. H247730	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	
3/	1533	12,0	8		1495 7 61	
25	2253	_		17.101.24	1500	
200	4253			17.20.24	955	
34	1253				0800	
35	65.35				0805	
34	6536				05/10	
37	C537				0810	
200	65.38				88	
38	6463	1			9780	
40	07192	20	0 = 9	M. 02.21	3840 27	
PLEASE NOTE: Liability and Damages, analyses. All claims including those for r service. In no event shall Cardinal be liable.	Damages. Cardinal's liability and client's exclu- trose for negligence and any other cause who dinal be liable for incidental or consequental of	d client's exclusive remedy for ther cause whatsoever shall be onsequental damages, includir onsequental damages.		ng whether based in contract or tort, shall be limited to the amount paid set unless made in writing and received by Cerdinal within 30 days after stion, business interruptions, loss of use, or loss of profits in 500 more defense of whether such claim is hased upon any of the above stated rea	bis on the client for the lappligable client is subsidiaries. Celent, its subsidiaries.	
Relinquished By:	d By:	Date: 12-20-24 Rece		11100		
Her	M	Time; (20	Mariata .	Marke	8	Mr. cover
Relinquished By		Date: Time:	Received By:		InadaNt: 11 APP 2407438505 CC: 1139421001	
Delivered By: (Circle One)	cle One)	T. n. p.	10 6	checked By: (Initials)	e: Standard	ample Condition Observed Temp. °C
Sampler - UPS - Bus - Other:	sus - Other:	Corrected Tamp. C	X	No Z	-0.5°C	rected Temp. °C

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

101 East Marland, Hobbs, NM 88240

CHAIN-OF-

	C
	S
	\dashv
	0
	Ö
	~
	_
	4
	=
	O
4	P
- 1	Z
- 1	A
- 1	
- 1	~
- 1	S
- 1	7
-1	
- 1	Z
- 1	Ш

(5/5) 353-2320	3/3) 393-2320 FAX (3/3) 393-24/6		, «A)
Company Name: Ensolum, LLC		BILL TO	ANALYSIS REQUEST
Project Manager: ALGMAN MIS	Monistrey	P.O. #:	- 1
Address: 3/72 National	DWK5 Hwy	Company: AD ENERGY TWO	
City: Midiana Carls Sand	State: TX NM Zip: 85220 At	5	
Phone #: 337 257 8307		Address: 5104 E GHEN SA	
Project #: 03C1556 506	Project Owner:	2	
Project Name: PLU 342		State: NM Zip: 44270	
Project Location: 52,704708	103.862151		
Sampler Name: Joshwa Rox		Fax #:	
	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER: DATE	HALL X ZIEX
41 (241)		\$ 7.20.24 Of	N X X
705/			7755
		V	
PLEASE NOTE: Liability and Damages: Cardinal's liability and	d eligabe and train assumed the		
analyses. All claims including those for negligence and any other service, in no event shall Cardinal be liable for incidental or conse affiliates or successors arising out of or related to the performance	analyses. All claims including those for negligence and any other cause whatboever shall be deemed waiven lensed in contract or tot, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental damages, including which timbation, business intemptions, loss of use, or loss of profits incurred by client, its subsidiaries, afficients or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reserves or otherwise.	I, shall be limited to the amount paid by the clien when by Cardinal within 30 days after completion fuse, or loss of profits incurred by client, its subset of uson any of the above stated reserves or offer	t for the opplicable didaries,
Relinquished By:	Time: 1130 Received By:	0	Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: Thomssol Deuslon san Thomas of Olive Jum 1590
Kelinquisned By:	Date: Received By:	REMARKS:	4. MARO 2407458
	1.mp. °C 4,4	CHECKED BY: Turnaro	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. C 3.8 Pres Pres	Thermometer ID	#13- #140



February 06, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 342

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab 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: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 01 7'	H250600-01	Soil	27-Jan-25 09:55	03-Feb-25 12:00
CS 16 0.5	H250600-02	Soil	28-Jan-25 12:55	03-Feb-25 12:00
CS 19 0.5	H250600-03	Soil	28-Jan-25 13:21	03-Feb-25 12:00
FS 02 1.5	H250600-04	Soil	28-Jan-25 13:05	03-Feb-25 12:00
FS 03 1.5	H250600-05	Soil	29-Jan-25 09:40	03-Feb-25 12:00
FS 04 1.5	H250600-06	Soil	29-Jan-25 09:38	03-Feb-25 12:00
SW 02 0-1.5	H250600-07	Soil	29-Jan-25 10:25	03-Feb-25 12:00
CS 42 0.5	H250600-08	Soil	29-Jan-25 10:12	03-Feb-25 12:00
SW 03 0-1.5	H250600-09	Soil	29-Jan-25 10:32	03-Feb-25 12:00
SW 04 0-1.5	H250600-10	Soil	29-Jan-25 10:39	03-Feb-25 12:00
SW 01 0-4	H250600-11	Soil	29-Jan-25 15:05	03-Feb-25 12:00
SW 05 4-7	H250600-12	Soil	29-Jan-25 14:05	03-Feb-25 12:00

02/06/25 - Client changed some of the sample IDs (see COC). This is the revised report and will replace the one sent on 02/04/25.

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

06-Feb-25 17:28

Reported:

Fax To:

FS 01 7' H250600-01 (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	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JН	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		111 %	71.5	-134	5020329	JH	03-Feb-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			89.5 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			87.9 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine

Reported:

06-Feb-25 17:28



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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

BELILL

Fax To:

CS 16 0.5 H250600-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	352		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	ID)		109 %	71.5	-134	5020329	ЈН	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			87.1 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			85.6 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Reported:

06-Feb-25 17:28



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

Analytical Results For:

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

Project: PLU 342 Project Number: 03C1558506 Project Manager: BEN BELILL

Fax To:

CS 19 0.5 H250600-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		112 %	71.5	-134	5020329	JH	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			85.6 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			84.5 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

06-Feb-25 17:28

Reported:

Fax To:

FS 02 1.5 H250600-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		110 %	71.5	-134	5020329	ЈН	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			68.7 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			66.9 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

Fax To:

FS 03 1.5 H250600-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	ЈН	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	ЈН	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		110 %	71.5	-134	5020329	ЈН	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			86.7 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			85.3 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

Fax To:

FS 04 1.5 H250600-06 (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	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JН	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		111 %	71.5	-134	5020329	ЈН	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			82.6 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			80.2 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

Fax To:

SW 02 0-1.5 H250600-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	JН	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5	-134	5020329	JH	03-Feb-25	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			73.1 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			70.7 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Project: PLU 342 Project Number: 03C1558506 Project Manager: BEN BELILL

Fax To:

Reported: 06-Feb-25 17:28

CS 42 0.5 H250600-08 (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	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JН	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		109 %	71.5	-134	5020329	ЈН	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			82.3 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			78.4 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Fax To:

Reported: 06-Feb-25 17:28

SW 03 0-1.5 H250600-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compounds by	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020329	JН	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020329	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5	-134	5020329	ЈН	03-Feb-25	8021B	
Petroleum Hydrocarbons by Go	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			85.9 %	48.2	-134	5020321	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			82.4 %	49.1	-148	5020321	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

Reported:



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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

06-Feb-25 17:28

Fax To:

SW 04 0-1.5 H250600-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020330	JH	03-Feb-25	8021B	QR-03
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020330	JH	03-Feb-25	8021B	QR-03
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020330	JH	03-Feb-25	8021B	QR-03
Total BTEX	< 0.300		0.300	mg/kg	50	5020330	JН	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		120 %	71.5	-134	5020330	JH	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			88.5 %	48.2	-134	5020322	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			87.4 %	49.1	-148	5020322	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keene



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

Fax To:

SW 01 0-4 H250600-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	464		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		121 %	71.5	-134	5020330	ЈН	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			81.7 %	48.2	-134	5020322	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			80.3 %	49.1	-148	5020322	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

Fax To:

SW 05 4-7 H250600-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	640		16.0	mg/kg	4	5020341	AC	03-Feb-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5020330	JН	03-Feb-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5020330	JH	03-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		115 %	71.5	-134	5020330	JH	03-Feb-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
DRO >C10-C28*	10.3		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020322	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctane			74.8 %	48.2	-134	5020322	MS	03-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			74.5 %	49.1	-148	5020322	MS	03-Feb-25	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Project: PLU 342 Project Number: 03C1558506 Project Manager: BEN BELILL

Fax To:

Reported: 06-Feb-25 17:28

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5020341 - 1:4 DI Water										
Blank (5020341-BLK1)				Prepared &	Analyzed:	03-Feb-25				
Chloride	ND	16.0	mg/kg							
LCS (5020341-BS1)				Prepared &	Analyzed:	03-Feb-25				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (5020341-BSD1)				Prepared &	z Analyzed:	03-Feb-25				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



%REC

Analytical Results For:

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

Project: PLU 342 Project Number: 03C1558506 Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

RPD

Fax To:

Reporting

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Spike

Source

		reporting		-F						
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5020329 - Volatiles										
Blank (5020329-BLK1)				Prepared &	Analyzed:	03-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)	0.0547		mg/kg	0.0500		109	71.5-134			
LCS (5020329-BS1)				Prepared &	Analyzed:	03-Feb-25				
Benzene	1.97	0.050	mg/kg	2.00		98.4	82.8-130			
Toluene	1.99	0.050	mg/kg	2.00		99.4	86-128			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.5	85.9-128			
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	89-129			
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	86.1-125			
Total Xylenes	6.06	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	71.5-134			
LCS Dup (5020329-BSD1)				Prepared &	Analyzed:	03-Feb-25				
Benzene	2.09	0.050	mg/kg	2.00		105	82.8-130	6.16	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	86-128	7.36	15.9	
Ethylbenzene	2.15	0.050	mg/kg	2.00		108	85.9-128	7.77	16	
m,p-Xylene	4.47	0.100	mg/kg	4.00		112	89-129	7.82	16.2	
o-Xylene	2.09	0.050	mg/kg	2.00		104	86.1-125	7.95	16.7	
Total Xylenes	6.56	0.150	mg/kg	6.00		109	88.2-128	7.86	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			

Batch 5020330 - Volatiles

Blank (5020330-BLK1)			Prepared & Analyzed: 03-Feb-25
Benzene	ND 0	0.050	mg/kg
Toluene	ND 0	0.050	mg/kg
Ethylbenzene N	ND 0	0.050	mg/kg
Total Xylenes N	ND 0	0.150	mg/kg

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

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

o-Xylene

Total Xylenes

Surrogate: 4-Bromofluorobenzene (PID)

Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

RPD

Fax To:

Reporting

2.41

7.09

0.0544

0.050

0.150

mg/kg

mg/kg

mg/kg

2.00

6.00

0.0500

120

118

109

86.1-125

88.2-128

71.5-134

0.239

16.7

16.3

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5020330 - Volatiles										
Blank (5020330-BLK1)				Prepared &	Analyzed:	03-Feb-25				
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0579		mg/kg	0.0500		116	71.5-134			
LCS (5020330-BS1)				Prepared &	Analyzed:	03-Feb-25				
Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130			
Toluene	2.37	0.050	mg/kg	2.00		118	86-128			
Ethylbenzene	2.41	0.050	mg/kg	2.00		120	85.9-128			
m,p-Xylene	4.70	0.100	mg/kg	4.00		118	89-129			
o-Xylene	2.41	0.050	mg/kg	2.00		121	86.1-125			
Total Xylenes	7.11	0.150	mg/kg	6.00		119	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	71.5-134			
LCS Dup (5020330-BSD1)				Prepared &	Analyzed:	03-Feb-25				
Benzene	2.22	0.050	mg/kg	2.00		111	82.8-130	0.830	15.8	
Toluene	2.36	0.050	mg/kg	2.00		118	86-128	0.0927	15.9	
Ethylbenzene	2.40	0.050	mg/kg	2.00		120	85.9-128	0.409	16	
m,p-Xylene	4.68	0.100	mg/kg	4.00		117	89-129	0.411	16.2	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5020321 - General Prep - Organics										

Blank (5020321-BLK1)				Prepared & Anal	yzed: 03-Feb-25	i			
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	54.5		mg/kg	50.0	109	48.2-134			
Surrogate: 1-Chlorooctadecane	54.6		mg/kg	50.0	109	49.1-148			
LCS (5020321-BS1)				Prepared & Anal	yzed: 03-Feb-25	i			
GRO C6-C10	207	10.0	mg/kg	200	104	81.5-123			
DRO >C10-C28	196	10.0	mg/kg	200	98.1	77.7-122			
Total TPH C6-C28	404	10.0	mg/kg	400	101	80.9-121			
Surrogate: 1-Chlorooctane	54.8		mg/kg	50.0	110	48.2-134			
Surrogate: 1-Chlorooctadecane	53.4		mg/kg	50.0	107	49.1-148			
LCS Dup (5020321-BSD1)				Prepared & Anal	yzed: 03-Feb-25	i			
GRO C6-C10	210	10.0	mg/kg	200	105	81.5-123	1.13	13	
DRO >C10-C28	197	10.0	mg/kg	200	98.3	77.7-122	0.194	15.6	
Total TPH C6-C28	406	10.0	mg/kg	400	102	80.9-121	0.677	18.5	
Surrogate: 1-Chlorooctane	56.1		mg/kg	50.0	112	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0	110	49.1-148			

Batch 5020322 - General Prep - Organics

Blank (5020322-BLK1)				Prepared & Anal	yzed: 03-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	54.7		mg/kg	50.0	109	48.2-134	
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0	113	49.1-148	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



%REC

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: PLU 342
Project Number: 03C1558506
Project Manager: BEN BELILL

Reported: 06-Feb-25 17:28

RPD

Fax To:

Reporting

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5020322 - General Prep - Organics										
LCS (5020322-BS1)				Prepared &	k Analyzed:	03-Feb-25				
GRO C6-C10	209	10.0	mg/kg	200		104	81.5-123			
DRO >C10-C28	205	10.0	mg/kg	200		103	77.7-122			
Total TPH C6-C28	414	10.0	mg/kg	400		104	80.9-121			
Surrogate: 1-Chlorooctane	56.2		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	56.2		mg/kg	50.0		112	49.1-148			
LCS Dup (5020322-BSD1)				Prepared &	analyzed:	03-Feb-25				
GRO C6-C10	208	10.0	mg/kg	200		104	81.5-123	0.574	13	
DRO >C10-C28	204	10.0	mg/kg	200		102	77.7-122	0.479	15.6	
Total TPH C6-C28	412	10.0	mg/kg	400		103	80.9-121	0.527	18.5	
Surrogate: 1-Chlorooctane	57.1		mg/kg	50.0		114	48.2-134			
Surrogate: 1-Chlorooctadecane	57.7		mg/kg	50.0		115	49.1-148			

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-23:	126	FAX (575) 393-2476	76		BILL TO	0			ANAL	ANALYSIS REQUEST	JEST	
Project Manager:	B. B.L.			P.O. #:			_					
Address: 601 N M	arienfel	uite 400		Company:	any: XTO Energy, Inc	ergy, Inc	_	_		_		
City: Midland		State: TX	Zip: 79701	Attn:	Colton Brown			_				
Phone #: 989	289-488-985	Fax#:		Addre	Address: 3104 E Greene	reene St	_				_	
	90585517	Project Owner:	XTO Energy	City:	Carlsbad		_					
Project Name:				State:	NM Zip:	88220		_				
Project Location:		18,-103.862151	1517	Phone #:	#:							
Sampler Name:				Fax #:				_				
FOR LAB USE ONLY	- 1			MATRIX	PRESERV. S	SAMPLING						
Lab I.D.	Sample I.D.	Depth (feet)	G)RAB OR (C)OM CONTAINERS GROUNDWATER WASTEWATER	SOIL DIL SLUDGE DTHER:	OTHER:	TE TIME	TPH 8015	BTEX 8021 Chloride 4500				
Description	102	7,	- #		4	1/13 955	<	<				
7-	1 1005	0,5	_	4	V 1/28	ry 1255	<	1				
JK (6 1425	0.5	13	4	2 1/2g	1321	<	~			-	
t.	Eso?	2.1	10	<	R./ 1	COCIE	3	2				
7	1503	5.1	- 5	۲	2 1/29	04,150	4	~				
0	+S04	2.1	12	١	1/2	854 8/	. 2	<				
14	2007	2.1-0	1 2	۷	KON/1	Ox 1072	<	1				
X	et xx	0.5	2	<	21/2/11	71012	<	<				
90	@ SW03	0-1.5	-	•	V 1/25		<	\ \ \				
10	Swo4	0-1.5	C - whether t	arising whether based in contract or tort, shall be lim	all be limited to the amo	19/25 0'34 amount paid by the client for	4	4	-	-	-	
PLEASE NOTE: Liability and Dam analyses. All claims including thos service. In no event shall Cardinal	LEASE NOTE: Liability and Damages. Carden's liability and clients exclusive strency loss by cam array ensure second and a control of the application of the applicati	d client's exclusive remedy too on their cause whatsoever shall be consequental damages, including the consequental damages.	deemed walved unless m g without limitation, busine	ade in writing and received ses interruptions, loss of us	by Cardinal within 30 da e, or loss of profits incurr upon any of the above st	ays after completion of the red by client, its subsidial ated reasons or otherwise.	+ oplica	302 d	-	18/25		
Relinquished By:	sing out of or related to the perform 3y:	Date: 3.25	Received By:	late!	W. K.	All Results are emailed	ire em		☐ No Add'I Phone #: Please provide Email address: Morrissey@ensolum.com, THilla	s □ No Add'l Phone #: Please provide Email address: TMorrissey@ensolum.com, THillard@ensolum.com	ensolum.com	
work.	7	1300	m	would	were	REMARKS:	S	100		+	1	an isos
Relinquished By:	y:	Date:	Keceived by:			*C	uston	me	Brew	ushed	&t	-3/4/cs
Delivered By: (Circle One)	ircle One)	Observed Temp. °C	is in	Sample Condition	CHECKED BY:		nd Time:	St	Standard Rush	Bacteria (only)	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	ition 'smp. °C
Sampler - UPS - Bus - Other:	Bus - Other:	Corrected Temp. °C	1.6		8	Correction Factor 0.5°C	Factor 0	ose to	15.324m	☐ No ☐ No	Corrected Temp. °C	emp. °C
				1				,				

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476	X (575) 393-2476				
Company Name: Ensolum, LLC		BILL TO		AN	ANALYSIS REQUEST
Project Manager: Ban Bal		P.O. #:			
1	te 400	Company: XTO Energy, Inc	, Inc	_	
City: Midland	State: TX Zip: 79701	Attn: Colton Brown		_	
Phone #: 989-854-0654	Fax #:	Address: 3104 E Greene	ne St		
	Project Owner: XTO Energy	city: Carlsbad			
2		State: NM Zip: 88220	20		
7	204208, -108.862151	Phone #:			
1		1			
		PRESERV.	SAMPLING)	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER:	TPH 8015	BTEX 8021 Chloride 4500	
1000	- #	4	-	2	
12 SWOS	4-7 CI V	Salle, 1 A	1468 ~	(
PLEASE NOTE: Liability and Damages, Cardinal's liability and or analyses, All claims including those for negligence and any other service, in no event shall Cardinal be liable for incidential or cons		ased in contract or tort, shall be limited to the amount pe de in witing and received by Cardinal within 30 days affi is interruptions, loss of use, or loss of profits incurred by their such claim is based upon any of the above stated in	id by the client for the er completion of the applicabl client, its subsidiaries, easons or otherwise.	T No	A.J.에 Dhono 표·
Relinquished By:	Time: 200	m Dolakok	are en		s □ No Add'l Phone #: Please provide Email address: TMorrissev@ensolum.com, THillard@ensolum.com
Relinquished By:	Date: Received By:		REMARKS		The state of the s
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C / 3 Sample Condition Cool Mact Corrected Temp. °C / 6 Pres 2 Yes No No	CHECKED BY:	Turnaround Time: Thermometer ID #44376 Correction Factor - 0.65 C-1	Standard Rush 40,3244	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

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

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

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

QUESTIONS

Action 446396

QUESTIONS

ı	Operator:	OGRID:
ı	XTO ENERGY, INC	5380
ı	6401 Holiday Hill Road	Action Number:
ı	Midland, TX 79707	446396
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407438506
Incident Name	NAPP2407438506 PLU 342 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU 342
Date Release Discovered	02/27/2024
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Normal Operations Flow Line - Production Produced Water Released: 24 BBL Recovered: 1 BBL Lost: 23 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 446396

QUESTIONS (continued)

Operator: XTO ENERGY, INC	OGRID: 5380
6401 Holiday Hill Road Midland, TX 79707	Action Number: 446396
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a sa	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
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	off site spill outside of berms or location
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ed 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 release the OCD does not relieve the operator of liability should their operations have failed to ac	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by dequately investigate and remediate contamination that pose a threat to groundwater, surface 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: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 03/14/2024

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

Phone: (505) 629-6116

Online Phone Directory $\underline{https://www.emnrd.nm.gov/ocd/contact-us}$ QUESTIONS, Page 3

Action 446396

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

State of New Mexico

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	XTO ENERGY, INC	5380
ı	6401 Holiday Hill Road	Action Number:
ı	Midland, TX 79707	446396
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	Attached Document	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Between ½ and 1 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

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 p	lan approval with this submission	Yes
Attach a comprehensive report dem	nonstrating the lateral and vertical extents of soil contamination a	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical	extents of contamination been fully delineated	Yes
Was this release entirely co	ntained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 CI B)	640
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	92.8
GRO+DRO	(EPA SW-846 Method 8015M)	72.9
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	08/20/2024
On what date will (or did) the	e final sampling or liner inspection occur	01/29/2025
On what date will (or was) the	ne remediation complete(d)	01/29/2025
What is the estimated surface	ce area (in square feet) that will be reclaimed	823
What is the estimated volum	ne (in cubic yards) that will be reclaimed	50
What is the estimated surface	ce area (in square feet) that will be remediated	823
What is the estimated volum	ne (in cubic yards) that will be remediated	80
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.

Released to Imaging: 3/28/2025 11:31:16 AM

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 446396

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	446396
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Name: Robert Woodall
I hereby agree and sign off to the above statement

Title: Environmental Analyst

Email: robert d woodall@ex

Email: robert.d.woodall@exxonmobil.com

Date: 03/27/2025

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

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 446396

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	446396
	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

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

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

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

Santa Fe, NM 87505

QUESTIONS, Page 6

Action 446396

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	446396
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

ampling Event Information		
Last sampling notification (C-141N) recorded	436520	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/04/2025	
What was the (estimated) number of samples that were to be gathered	1	
What was the sampling surface area in square feet	200	

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	823		
What was the total volume (cubic yards) remediated	80		
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	823		
What was the total volume (in cubic yards) reclaimed	50		
Summarize any additional remediation activities not included by answers (above)	Site assessment, delineation, and excavation activities were conducted at the Site to address the February 27, 2024, release of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, and confirmation soil samples, collected form the surface of the release extent, indicated that all COC concentrations were compliant with the Closure Criteria. Based on the soil sample analytical results, no further remediation was required. The disturbed ROW will be re-seeded with an approved BLM seed mixture. Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2407438506.		

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.

Name: Robert Woodall
Title: Environmental Analyst
Email: robert.d.woodall@exxonmobil.com
Date: 03/27/2025

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 446396

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	446396
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 446396

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	446396
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2407438506 PLU 342, thank you. This Remediation Closure Report is approved.	3/28/2025