

September 10, 2024

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

Re: Remediation Work Plan Poker Lake Unit 22 DTD Pad D Incident Number NAPP2411631990 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan* (*Work Plan*) to document the site assessment, delineation and soil sampling activities completed to date and propose a work plan to address waste-containing soil identified at the Poker Lake Unit 22 DTD Pad D (Site). The purpose of the remediation activities was to determine the presence or absence of impacted and/or waste-containing soil resulting from a produced water release at the Site. The following *Work Plan* proposes to confirm depth to groundwater via temporary soil boring and remove waste-containing soil identified within the release extent.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 22, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.20997°, -103.86489°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 9, 2024, a pump failure resulted in the release of 18 barrels (bbls) of produced water into a temporary lined containment area, onto the pad surface, and into the adjacent pasture area. No fluids were recovered. XTO submitted an Initial C-141 Application (C-141) on April 25, 2024. The release was assigned Incident Number NAPP2411631990.

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 and potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. On March 26, 1959, a USGS groundwater monitoring well (USGS 321203103511801) was measured and recorded with a depth to groundwater as 423.1 feet bgs. The total depth of the well is 474 feet bgs. The location of the well is approximately 0.83 miles southeast of the release and is depicted on Figure 1. The Well Record and Log is included in Appendix A.

XTO Energy, Inc. Remediation Work Plan Poker Lake Unit 22 DTD Pad D

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 1,873 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, 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 diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation standard 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 NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On April 9, 2024 Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided from XTO and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix B.

On April 25, 2024, Ensolum returned to the Site to take assessment samples from within the release. Five delineation soil samples (SS01 through SS05) were collected from a depth of 0.5 feet bgs. 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. The delineation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 2.

On May 21 and 22, 2024, Ensolum personnel returned to the site to oversee delineation activities. Delineation boreholes BH01 through BH04 and potholes PH01 through PH05 were advanced via hand auger and backhoe to assess the vertical extent of the release to a maximum depth of 1-foot bgs. Delineation soil samples were collected from each pothole at depths ranging from 0.5 feet to 1-foot bgs. Delineation soil sample PH04 was taken at the point of release below the removed temporary lined contaiment. Additional delineation soil samples (SS06 through SS11) were taken surrounding the release to confirm the lateral extent of the release. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 2.

Based on field screenings, no impacted or waste-containing soil was identified in the pasture areas. Vegetation in this area appears to be healthy and not impacted by the release. In order to confirm the absense of impacted or waste-containing soil, twenty-three 5-point composite confirmation soil samples were taken from the pasture area that represented no more than 200 square feet of the release extent in an approximate 4,587 square foot area. The 5-point composite samples were collected by placing five



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equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS06, and FS08 through FS24 were collected at a depth of 0.5 feet bgs. Please note FS07 was inadvertantly skipped in the sampling nomenclature. The soil samples were field screened for VOCs and chloride and mapped with a handheld GPS unit. The confirmation soil sample locations are depicted on Figure 3.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples indicated all COCs were compliant with the Closure Criteria. All COC concentrations for terminal soil samples of the delineation boreholes and potholes were in compliance with the Closure Criteria and reclamation requirement, successfully defining the vertical extent of the release. All COC concentrations for the delineation soil samples collected outside the release extent met Closure Criteria and reclamation requirement, successfully defining the lateral extent of the release. Laboratory analytical results for all COC concentrations for composite soil samples FS01 through FS24 were in compliance with the strictest Table 1 Closure Criteria, verifying the absence of impacted or waste-containing soil in the pasture area. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

PROPOSED REMEDIATION WORK PLAN

In order to confirm depth to groundwater is greater than 100 feet bgs at the Site, XTO proposes to advance a soil boring to a depth of 105 feet bgs. The soil boring will be located within 0.5 miles of the Site and a field geologist will log and describe soils continuously. The soil boring will be left open for over 72 hours to allow for equilibration of groundwater levels within the temporary boring casing. After the 72-hour waiting period, depth to groundwater will be assessed and the soil boring will be backfilled following New Mexico Office of the State Engineer (NMOSE) approved procedures. A well record or soil boring log will be included in the follow-up Closure Report.

The delineation soil sampling results indicate soil containing elevated chloride concentrations exist on pad across an approximate 18,800 square foot area and extends to depths ranging from 0.5 feet to 1-foot bgs. As such, XTO proposes to complete the following remediation activities:

- Excavation of waste-containing soil to a depth of 1-foot bgs. Excavation will proceed laterally until sidewall samples confirm all COC concentrations are compliant with the Closure Criteria and reclamation requirement.
- The area below the temporary lined containment that has been removed will be composite sampled to confirm the absence of waste-containing soil. If waste-containing soil is located, it will be included in the excavation area increasing the total area by 4,335 square feet and total volume by 160 cubic yards.
- Due to the estimated size of the excavation, XTO requests a variance for the frequency of confirmation soil samples. XTO proposes five-point composite samples to be collected at a sampling frequency of 400 square feet along the excavation floor and a sampling frequency of



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200 square feet along the excavation sidewalls. The proposed sampling frequency would reduce the total amount of samples from approximately 118 samples (200 square feet) to approximately 62 samples. The soil samples will be handled as described above and analyzed for all COCs. The 200 square foot and 400 square foot sampling grids are depicted in Figure 4a and Figure 4b, respectively, based on the proposed excavation extent.

- An estimated 700 cubic yards of waste-containing soil will be excavated and disposed of at the R360 disposal facility in Hobbs, New Mexico.
- The excavation will be backfilled with locally procured material and recontoured to match preexisting conditions.
- Vegetation in the pasture area of the release will continue to be monitored and may be re-seeded as necessary.

XTO plans to drill the depth to water boring in November 2024, once the schedule is confirmed with the licensed drillers. XTO will complete the excavation and soil sampling activities within 90 days of the date of approval of this *Work Plan* by the NMOCD.

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

ashley L. ager

Program Director

Ashley Ager, PG, MS

Sincerely, Ensolum, LLC

Tran Hittart

Tracy Hillard Staff Engineer

cc: Amy Ruth, XTO Amanda Garcia, XTO BLM

Appendices:

- Figure 1 Site Location Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Confirmation Soil Sample Locations
- Figure 4a Proposed Excavation Extent with 200 Square Foot Sampling Grid
- Figure 4b Proposed Excavation Extent with 400 Square Foot Sampling Grid
- Table 1Soil Sample Analytical Results
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Lithologic / Soil Sampling Logs
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation



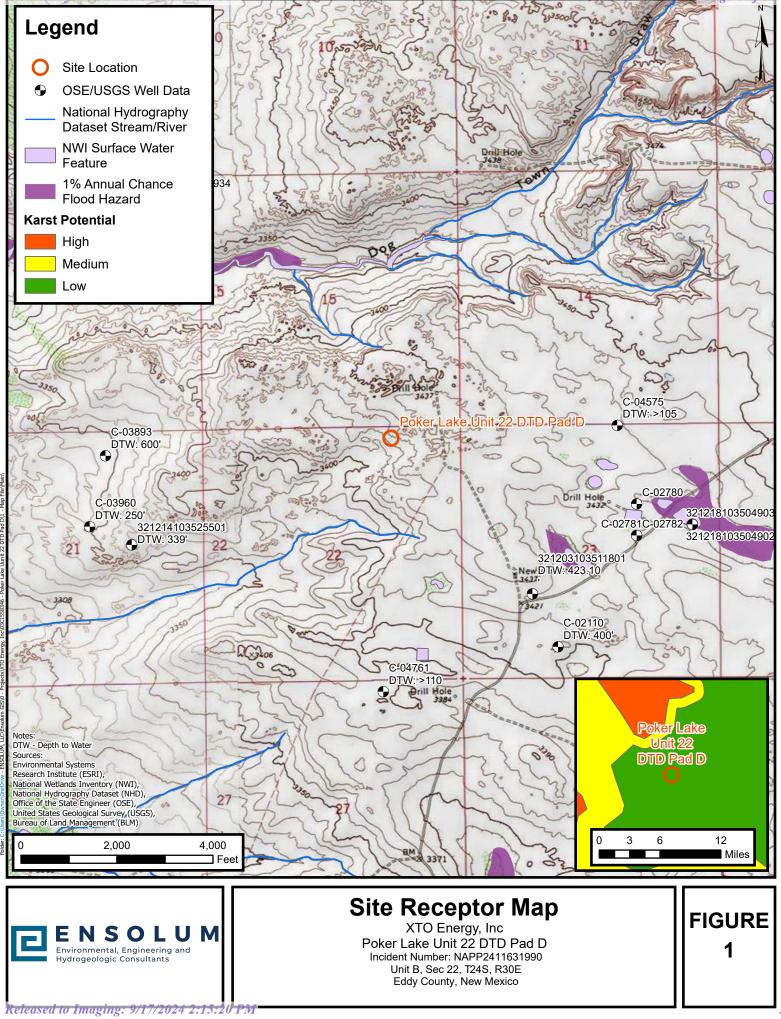


FIGURES

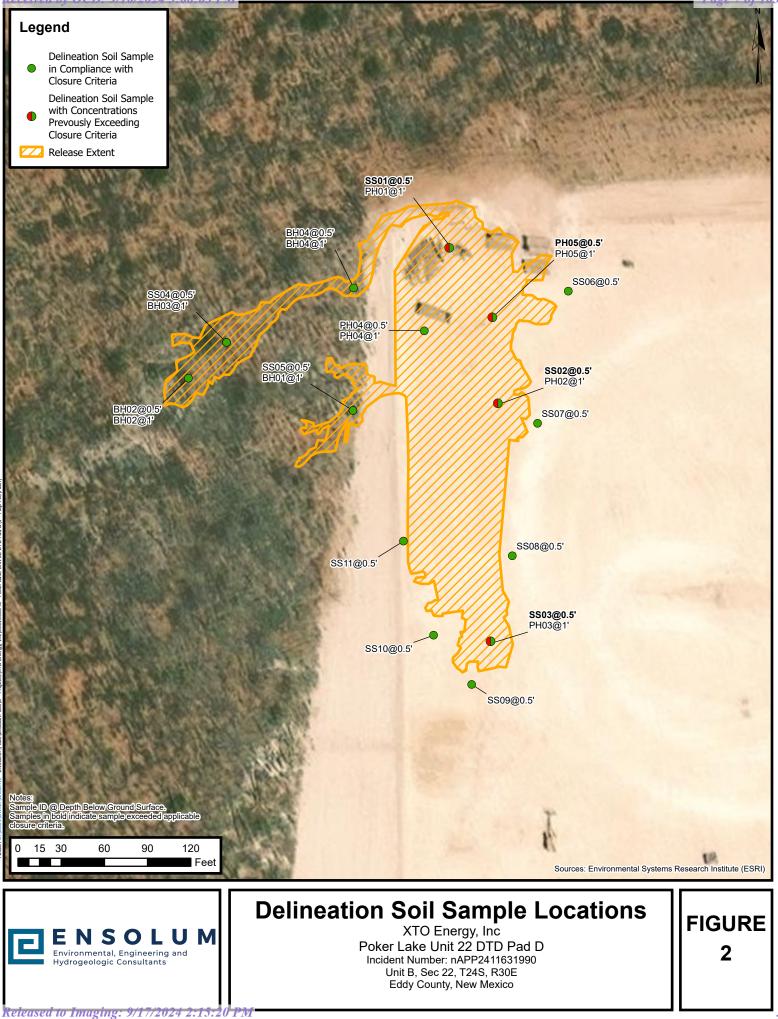
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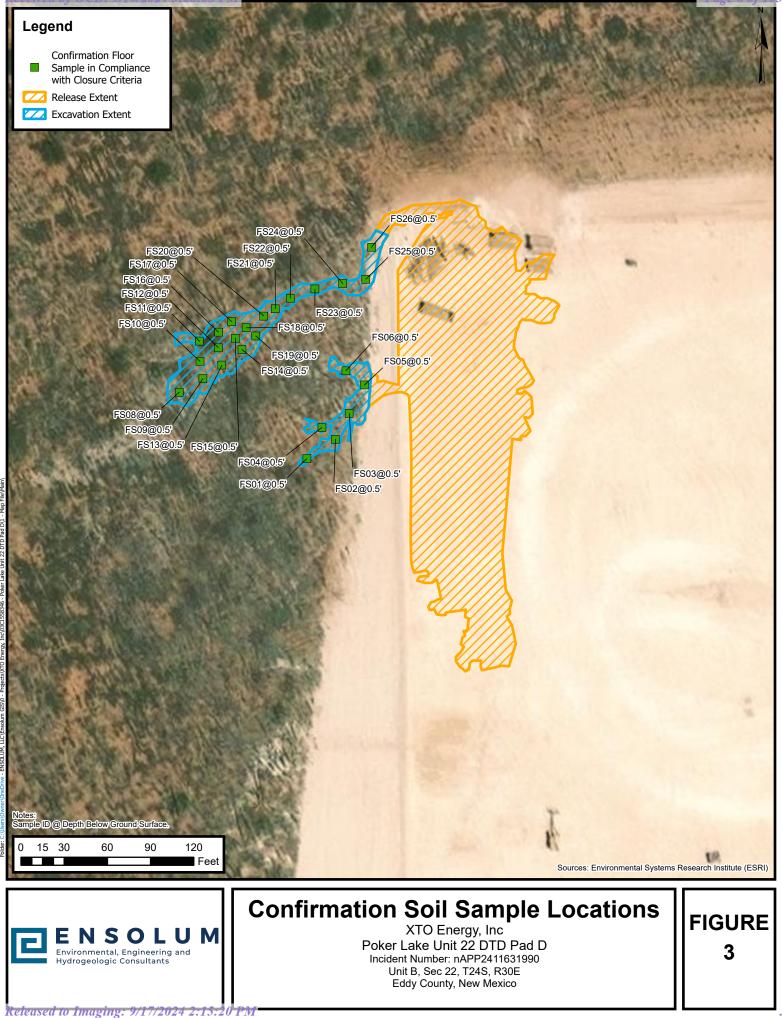
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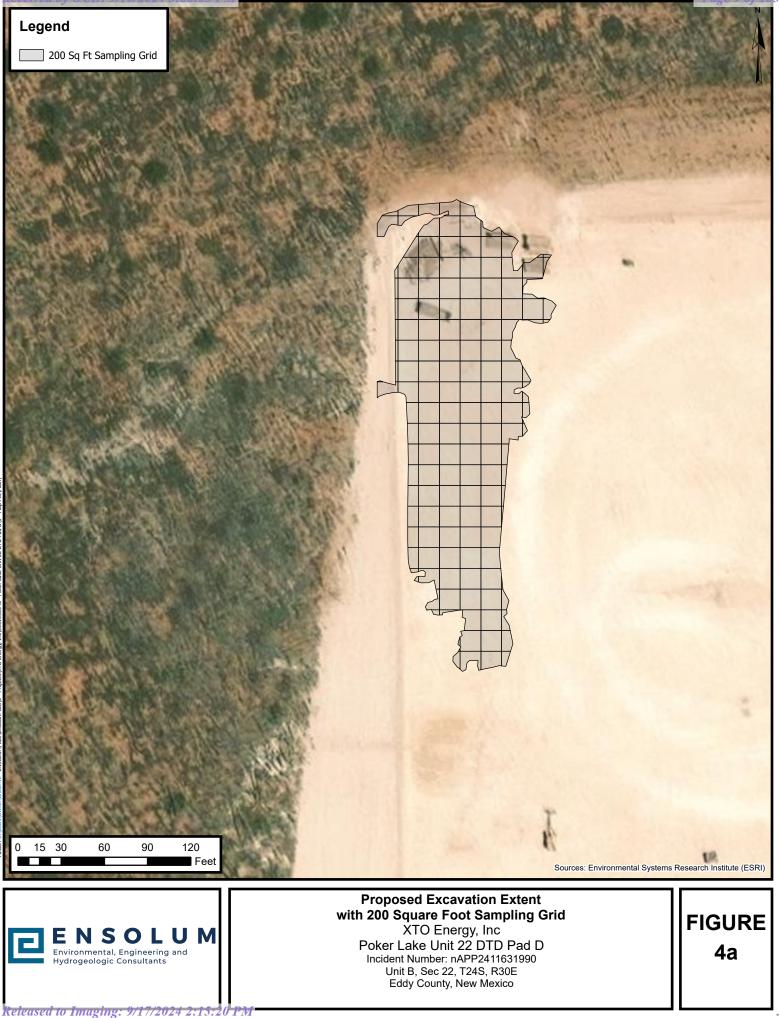


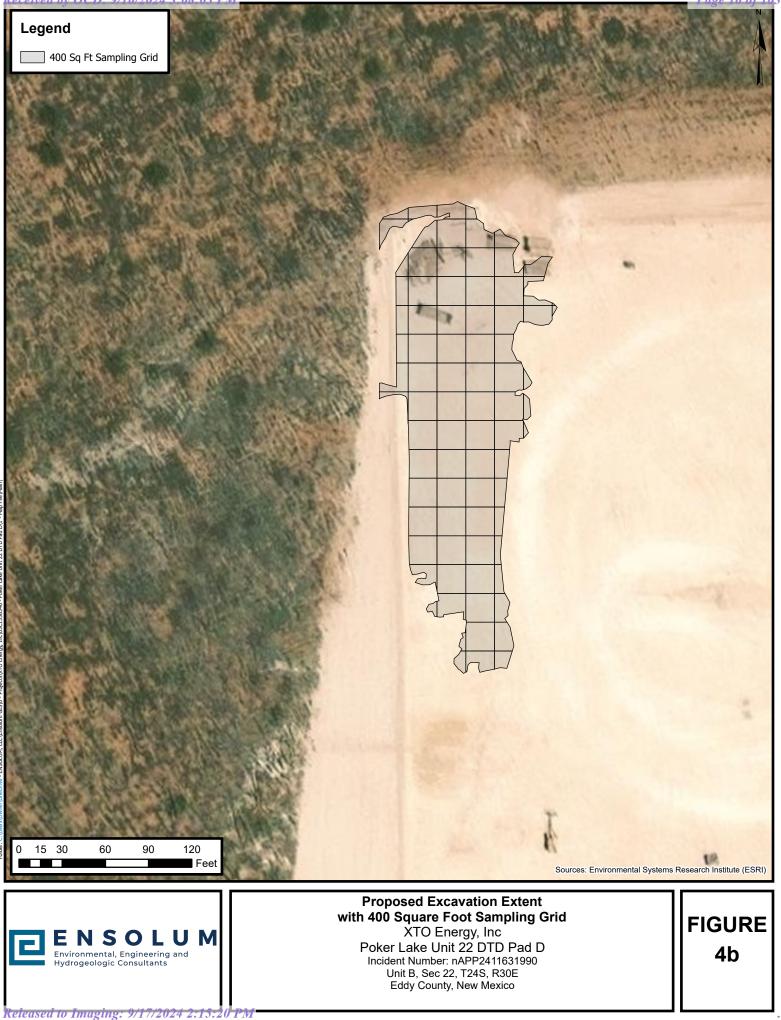
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TABLES

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E N S O L U M

				P	TABLE 1 LE ANALYTIC LU 22 DTD Pa KTO Energy, In County, New	d D nc				
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Deli	neation Soil Sa	mples		1	I	
SS01	04/26/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,360
PH01	05/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS02	04/26/2024	0.5	<0.050	<0.300	<10.0	34.1	<10.0	34.1	34.1	1,300
PH02	05/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SS03	04/26/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
PH03	05/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SS04	04/26/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
BH03	05/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS05	04/26/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
BH01	05/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS06	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS07	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS08	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS09	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS10	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS11	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
BH02	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
BH02	05/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
BH04	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
BH04	05/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PH04	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PH04	05/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PH05	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,260
PH05	05/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
				Confi	irmation Soil Sa	amples				
FS01	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS02	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS03	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS04	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256

ENSOLUM

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 22 DTD Pad D XTO Energy, Inc Eddy County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
FS05	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
FS06	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS08	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0		
FS09	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS10	05/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192		
FS11	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0		
FS12	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
FS13	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS14	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240		
FS15	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS16	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336		
FS17	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS18	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS19	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS20	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS21	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS22	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS23	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS24	05/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240		

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in ${\rm bold}$ exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records

USGS Home Contact USGS Search USGS

Science for a changing world

National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:	
Groundwater	~	United States	✓ GO

Click to hideNews Bulletins

• Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321203103511801 24S.30E.23.3124143

Eddy County, New Mexico Latitude 32°12'03", Longitude 103°51'18" NAD27 Land-surface elevation 3,423 feet above NAVD88 The depth of the well is 474 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer. **Output formats**

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measur(
1959-03-26		D	62610		2998.18	NGVD29	1		Z	
1959-03-26		D	62611		2999.90	NAVD88	1		Z	
1959-03-26		D	72019	423.10			1		Z	

Explanation

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

Reteasion is water data use and an analysis of the second se

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USGS Groundwater for USA: Water Levels -- 1 sites

Section Water-level approval status Description

Code

А Approved for publication -- Processing and review completed.

Questions or Comments Help Data Tips Explanation of terms Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

USA.gov

Page Contact Information: USGS Water Data Support Team Page Last Modified: 2024-07-03 12:20:34 EDT 0.39 0.37 nadww02

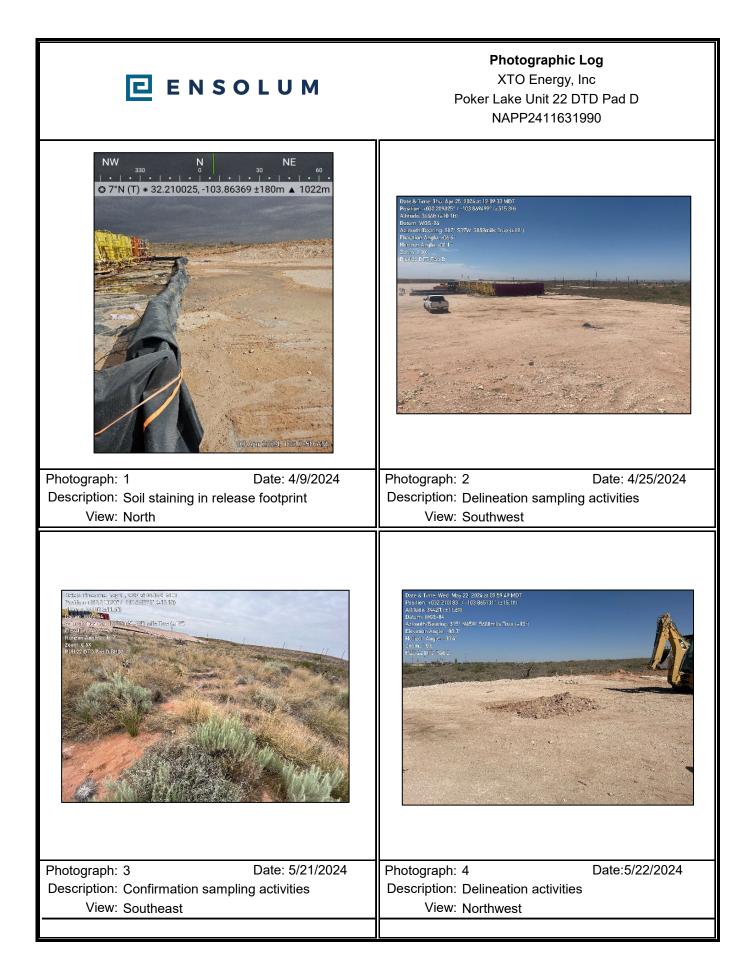
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APPENDIX B

Photographic Log

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APPENDIX C

Lithologic Soil Sampling Logs

Site Name: Poker Lake Unit 22 DTD Pad D Incident Number: NAPP2411631990 Job Number: 03C1558326 LITHOLOGIC / SOIL SAMPLING LOG Coordinates: 32.210014, -103.865368 Hole Diameter: 4" Total Depth: 1' bgs 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. A 40% correction factor is included in all chloride screenings.								Sample Name: BH01	Date: 5/21/2024
Limit of the second		- T E		I S	OL	UΜ			
Job Number: 03C1558326 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH Method: Hand Auger Coordinates: 32.210014, -103.865368 Hole Diameter: 4" Total Depth: 1' bgs 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. A 40% correction factor is included in all chloride screenings. and to be the performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be the performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included i		En	viron	mental, E	ngineering			Incident Number: NAPP241	1631990
Coordinates: 32.210014, -103.865368 Hole Diameter: 4" Total Depth: 1' bgs Coordinates: 32.210014, -103.865368 Hole Diameter: 4" Total Depth: 1' bgs Coordinates: Size on ducted 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. A 40% correction factor is included in all chloride screenings. an tig big (m of the big		Ну	arog	eologic Co	onsultants			Job Number: 03C1558326	
Coordinates: 32.210014, -103.865368 Hole Diameter: 4" Total Depth: 1' bgs Coordinates: 32.210014, -103.865368 Hole Diameter: 4" Total Depth: 1' bgs Coordinates: Size on ducted 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. A 40% correction factor is included in all chloride screenings. an tig big (m of the big		LITHOL	OGIO			6 LOG			Method: Hand Auger
antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. antised with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included water. A 4	Coordinates: 3	2.210014,	-103	.865368				Hole Diameter: 4"	
M 196 0.0 N SS05 0.5 - - - - - - graded, no stain, no odor. M <156.8									
M 196 0.0 N SS05 0.5 M <156.8	Moisture <u>Content</u> Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Depth			_	
M <156.8 0.0 N BH01 1 1 TD Total Depth @ 1' bgs.	M 196	0.0	N	SS05	0.5	0	SP-SC	0-1' SILTY SAND with c graded, no stain, nc	lay, dark brown, poorly o odor.
IM FJJJJ 0.5 N DHOL I T	M ~156 9	0.0	N	RH01	1	1			
	101 120.0	0.0	IN	DITUT				Total Depth @ 1' bgs.	

				_				Sample Name: BH02	Date: 5/21/2024
		7 E		I S	OL	UΜ		Site Name: Poker Lake Unit	
		En	viron	mental, E	ngineering			Incident Number: NAPP241	
		ну	urog	eologic Co	onsultants			Job Number: 03C1558326	
		LITHOL	OGI		SAMPLING	i LOG		Logged By: TH	Method: Hand Auger
Coord	inates: 32	2.210079	, -103	.865737				Hole Diameter: 4"	Total Depth: 1' bgs
			-					PID for chloride and vapor, r on factor is included in all ch	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Litholog	ic Descriptions
М	<158.6	0.0	N	BH02	0.5	0 -	SP	0-1' SILTY SAND, dark l stain, no odor.	prown, poorly graded, no
						-			
Μ	<156.8	0.0	Ν	BH02	1 _	<u>1</u> TD		Total Depth @ 1' bgs.	

				Sample Name: BH03	Date: 5/21/2024
	ENS	ΟLUΜ		Site Name: Poker Lake Unit 22	DTD Pad D
E E	nvironmental, E ydrogeologic Co	ngineering and		Incident Number: NAPP24116	31990
	yarogeologic Co	mouldnis		Job Number: 03C1558326	
LITHO	LOGIC / SOIL S	AMPLING LOG		Logged By: TH	Method: Hand Auger
Coordinates: 32.21019	1, -103.865573			Hole Diameter: 4"	Total Depth: 1' bgs
				PID for chloride and vapor, res on factor is included in all chloi	
Moisture Content Chloride (ppm) Vapor (ppm)	Staining Sample ID	Sample Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions
M 196 0.0	N SSO4	0.5 <u> </u>	SP-SC	0-1' SILTY SAND with cla graded, no stain, no o	y, dark brown, poorly dor.
		T			
M 156.8 0.0	N BH03	1 <u>1</u> TD		Total Depth @ 1' bgs.	

Difference Signature Image: Second				_					Sample Name: BH04	Date: 5/21/2024
Hydrogeologic Consultants Job Number: 03C1558326 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH Method: Hand Auger Coordinates: 32.210248, -103.865364 Hole Diameter: 4" Total Depth: 1' bgs Coordinates: 32.210248, -103.865364 Hole Diameter: 4" Total Depth: 1' bgs 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. A 40% correction factor is included in all chloride screenings. and and ang	I		E			OL	UΜ		Site Name: Poker Lake Un	hit 22 DTD Pad D
Job Number: 03C1558326LITHOLOGIC / SOIL SAMPLING LOGLogged By: THMethod: Hand AugerCoordinates: 32.210248, -103.865364Hole Diameter: 4"Total Depth: 1' bgsComments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride testperformed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings.and the biance of the bia			Env	iron	mental. Ei	naineerina			Incident Number: NAPP24	411631990
Coordinates: 32.210248, -103.865364 Hole Diameter: 4" Total Depth: 1' bgs 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. A 40% correction factor is included in all chloride screenings. and triangle of the stription of the striptio			- нуа	noge		nsultants			Job Number: 03C1558326	5
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. A 40% correction factor is included in all chloride screenings. anticipy and		LIT	THOLO	GIC	C / SOIL S	AMPLING	i LOG		Logged By: TH	Method: Hand Auger
performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. and to be the servening of the serv	Coordina	tes: 32.21	10248,	-103	.865364				Hole Diameter: 4"	Total Depth: 1' bgs
M 190.4 0.0 N BH04 0.5 III 0 SP-SC 0-1' SILTY SAND with clay, dark brown, poorly graded, no stain, no odor. M 156.8 0.0 N BH04 1 1 1										
M 190.4 0.0 N BH04 0.5 graded, no stain, no odor. M 156.8 0.0 N BH04 1 1	Moisture Content Chloride	(ppm) Vapor	(mqq)	Staining	Sample ID	Depth	(ft bgs)	_		
M 190.4 0.0 N BH04 0.5 M 156.8 0.0 N BH04 1 1						Ц	L 0	SP-SC	0-1' SILTY SAND with	clay, dark brown, poorly
M 156.8 0.0 N BH04 1 <u>1</u> TD Total Depth @ 1' bgs.	M 1	90.4 0	0.0	Ν	BH04	0.5	-		graueu, no Stain, f	
m 1505 00 N 5105 1 TD Total Depth @ 1' bgs.				м		T	1			
			0.0	IN	БПU4		TD		Total Depth @ 1' bgs	5.
	l									

	ingineering a onsultants SAMPLING vith HACH Chlo	LOG	trips and	Sample Name: PH01 Site Name: Poker Lake Unit 22 Incident Number: NAPP24116 Job Number: 03C1558326 Logged By: TH Hole Diameter: ~1.5'	31990 Method: Backhoe Total Depth: 1' bgs
Environmental, E Hydrogeologic C HOLOGIC / SOIL 0323, -103.865125 reening conducted v dilution factor of so	ingineering a onsultants SAMPLING vith HACH Chlo	LOG	trips and	Job Number: 03C1558326 Logged By: TH Hole Diameter: ~1.5'	Method: Backhoe Total Depth: 1' bgs
HOLOGIC / SOIL 0323, -103.865125 reening conducted v dilution factor of so	SAMPLING	oride Test S	trips and	Logged By: TH Hole Diameter: ~1.5'	Total Depth: 1' bgs
0323, -103.865125 reening conducted v dilution factor of so	vith HACH Chlo	oride Test S	trips and	Hole Diameter: ~1.5'	Total Depth: 1' bgs
reening conducted v dilution factor of so			trips and	Hole Diameter: ~1.5'	
dilution factor of so				DID for chlorido and vonor roc	
e ID			6 correctio	on factor is included in all chlo	
(ppm) Staining Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions
	<u> </u>	0	CCHE	0-1' CALICHE, pad fill, no	stain, no odor.
.6 N SS01	0.5				
	I T				
.0 N PH01	¹ $+$			Total Depth @ 1' bgs	
	.6 N SSO1 .0 N PHO1	.6 N SS01 0.5	.6 N SS01 0.5 <u>1</u> 0	.6 N SS01 0.5 .0 N PH01 1 1	.6 N SS01 0.5 1 1 1 1

NSOL ronmental, Engineering rogeologic Consultants GIC / SOIL SAMPLING 103.865056 g conducted with HACH Con factor of soil to distilled	g and G LOG hloride Test Strip	Incident I Job Num Logged B Hole Diar s and PID for ch	neter: ~1.5'	1990 Method: Backhoe Total Depth: 1' bgs
ronmental, Engineering rogeologic Consultants GIC / SOIL SAMPLING 103.865056 g conducted with HACH Cl on factor of soil to distilled	g and G LOG hloride Test Strip	Job Num Logged B Hole Diar s and PID for ch	ber: 03C1558326 y: TH neter: ~1.5'	Method: Backhoe Total Depth: 1' bgs
GIC / SOIL SAMPLING 103.865056 g conducted with HACH Cl on factor of soil to distilled	hloride Test Strip	Logged B Hole Diar s and PID for ch	y: TH neter: ~1.5'	Total Depth: 1' bgs
103.865056 g conducted with HACH C on factor of soil to distilled	hloride Test Strip	Hole Diar s and PID for ch	neter: ~1.5'	Total Depth: 1' bgs
103.865056 g conducted with HACH C on factor of soil to distilled	hloride Test Strip	Hole Diar s and PID for ch	neter: ~1.5'	
on factor of soil to distilled			loride and vapor, resp	
Stample Stample Stample Stample Depth (ft bgs)	Depth 202/SOS	Symbol	Lithologic D	escriptions
	0 0	CHE 0-1' CA	LICHE, pad fill, no s	tain, no odor.
N SS02 0.5	+			
	T 1			
	TD	Total D	epth @ 1' bgs.	
1		N SS02 0.5 N PH02 1 1	N SS02 0.5 1 1 1	N SS02 0.5 1 1 1

Diversion State Name: Poker Lake Unit 22 DT Pad D Incident Number: NAPP2411631990 Incident Number: NAPP2411631990 Do Number: 03C1558826 Incident Number: NAPP2411631990 Coordinates: 32.209580103.865067 Hole Diameter: "1.5" Condinates: 32.209580103.865067 Hole Diameter: "1.5" Conditionation of the distilled water. A 40% correction factor is included in all chloride screenings. Conditionation of the distilled water. A 40% correction factor is included in all chloride screenings. Diameter: "1.5" Lithologic Descriptions Diameter: "1.5" Diameter: "1.5" Diameter: "1.5" Lithologic Descriptions Diameter: "1.5" Diameter: "1.5" Diameter: "1.5" Lithologic Descriptions Diameter: "1.5" Diameter: "1.5" Diameter: "1.5" Diameter: "1.5" Di					_			Sample Name: PH03	Date: 5/22/2024
Environmental, Engineering and Hydrogeologic Consultants Incident Number: NAPP2411631990 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH Method: Backhoe Coordinates: 32.209580, -103.865067 Hole Diameter: ~1.5' Total Depth: 1' bgs 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. A 40% correction factor is included in all chloride screenings. Image: Solution of the strips of th			ΕΙ	N S	OL	UΜ			
Indext Consultants Job Number: 03C1558326 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH Method: Backhoe Coordinates: 32.209580, -103.865067 Hole Diameter: ~1.5' Total Depth: 1' bgs Coordinates: 32.209580, -103.865067 Hole Diameter: ~1.5' Total Depth: 1' bgs 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. A 40% correction factor is included in all chloride screenings. Method: Backhoe O CCHE Lithologic Descriptions O CCHE O-1' CALICHE, pad fill, no stain, no odor. D 700 0.0 CCHE O-1' CALICHE, pad fill, no stain, no odor. D 700 0 CCHE O I' CALICHE, pad fill, no stain, no odor.			Inviro	nmental, E	ngineering			Incident Number: NAPP241	1631990
LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH Method: Backhoe Coordinates: 32.209580, -103.865067 Hole Diameter: ~1.5' Total Depth: 1' bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test beerformed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. Sample Physical Piper P			aydrog	jeologic C	onsultants				
Coordinates: 32.209580, -103.865067 Hole Diameter: ~1.5' Total Depth: 1' bgs 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. A 40% correction factor is included in all chloride screenings. Description Image: Control of the test of test strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. Description Image: Content of test strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. Description Image: Content of test strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. Description Image: Content of test strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. Description Image: Content of test strips and PID for chloride test strips and PID f		LITH	LOGI		SAMPLING	6 LOG			Method: Backhoe
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test beerformed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings. Oppose Oppose <t< td=""><td>Coordinate</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Total Depth: 1' bgs</td></t<>	Coordinate								Total Depth: 1' bgs
D 700 0.0 N SS03 0.5 - <th< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td>•</td><td></td><td></td></th<>			-				•		
D 700 0.0 N SS03 0.5 D 229.6 0.0 N PH03 1 1	NIOISLUTE Content Chloride	(ppm) Vapor	Staining	Sample ID	Depth	(ft bgs)		_	
D 229.6 0.0 N PH03 1 1					L	0	CCHE	0-1' CALICHE, pad fill, 1	no stain, no odor.
D 229.6 0.0 N PH03 1 1	D 70	00 0.0	Ν	SS03	0.5	-			
D 223.8 0.0 N PHOS 1 TD Total Depth @ 1' bgs.				рцор	1	- 1			
		229.6 0.0 N PH03 1 <u>1</u> TD						Total Depth @ 1' bgs.	

coordinates: 32. comments: Field erformed with	Environ Hydrog ITHOLOGIO 210165, -103 d screening cc 1:4 dilution fa Staining (bbm B uin S S S O.0 N	eologic Co C / SOIL S 8.865206 onducted w	Angineering AMPLING	LOG Iloride Test S water. A 409 Depth	itrips and % correction	Sample Name: PH04 Site Name: Poker Lake Unit 2: Incident Number: NAPP24116 Job Number: 03C1558326 Logged By: TH Hole Diameter: ~1.5' PID for chloride and vapor, res on factor is included in all chlo	Method: Backhoe Total Depth: 1' bgs spectively. Chloride test
Coordinates: 32. Comments: Field Performed with D 554.4	Environ Hydrog ITHOLOGIO 210165, -103 d screening cc 1:4 dilution fa Staining (bbm B uin S S S O.0 N	enental, Energia Constant eologic Constant C / SOIL S 3.865206 onducted w actor of soil	AMPLING	and i LOG lloride Test S water. A 409 Depth	itrips and % correction	Incident Number: NAPP24116 Job Number: 03C1558326 Logged By: TH Hole Diameter: ~1.5' PID for chloride and vapor, res	Method: Backhoe Total Depth: 1' bgs spectively. Chloride test
Coordinates: 32. Comments: Field Performed with D 554.4	LITHOLOGI 210165, -103 d screening cc 1:4 dilution fa (C / SOIL S 3.865206 onducted w actor of soil	AMPLING ith HACH Ch I to distilled Sample Depth	loride Test S water. A 409 Depth	% correcti	Logged By: TH Hole Diameter: ~1.5' PID for chloride and vapor, res	Total Depth: 1' bgs spectively. Chloride test
Coordinates: 32. Comments: Field Performed with D 554.4	Alternov Statistics No.00 N	8.865206 onducted w actor of soil	ith HACH Ch I to distilled Sample Depth	loride Test S water. A 409 Depth	% correcti	Hole Diameter: ~1.5' PID for chloride and vapor, res	Total Depth: 1' bgs spectively. Chloride test
Coordinates: 32. Comments: Field Performed with D 554.4	Alternov Statistics No.00 N	8.865206 onducted w actor of soil	ith HACH Ch I to distilled Sample Depth	loride Test S water. A 409 Depth	% correcti	Hole Diameter: ~1.5' PID for chloride and vapor, res	Total Depth: 1' bgs spectively. Chloride test
Content Content Chloride D 22474	1:4 dilution fr (bbm) Staining N 0.0	actor of soi	l to distilled Sample Depth	water. A 409 Depth	% correcti		
D 554.4	0.0 N	Sample ID	Depth	-	Rock ool		
				(ft bgs)	USCS/Rock Symbol		Descriptions
			T	0	CCHE	0-1' CALICHE, pad fill, no) stain, no odor.
		PH04	0.5	-			
^{208.0}				- 1			
<u>`</u> '	0 268.6 0.0 N PH04 1 <u>1</u> TD					Total Depth @ 1' bgs.	

ENSOLUM Site Name: Poker Lake Unit 22 DTD Pad D Environmental, Engineering and Incident Number: NAPP2411631990 Job Number: 03C1558326 Job Number: 03C1558326 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH	: 5/22/2024
Environmental, Engineering and Hydrogeologic Consultants Incident Number: NAPP2411631990 Job Number: 03C1558326 Job Number: 03C1558326 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH Methologic Consultants Coordinates: 32.210189, -103.865053 Hole Diameter: ~1.5' Total Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. CP performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening ant top to Greening Conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. CP performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening ant top to Greening Conducted with HACH Chloride Test Strips D Greening C	
Hydrogeologic Consultants Job Number: 03C1558326 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH Method Coordinates: 32.210189, -103.865053 Hole Diameter: ~1.5' Total Coordinates: 32.210189, -103.865053 Hole Diameter: ~1.5' Total Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Ch performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening Output: Depth Or Chloride Test Strips and PID for chloride and vapor, respectively. Ch Depth Or Chloride Test Strips and PID for chloride and vapor, respectively. Ch Depth Or Chloride Test Strips and PID for chloride and vapor, respectively. Ch Depth Or Chloride Test Strips and PID for chloride and vapor, respectively. Ch Depth Or Chloride Test Strips and PID for chloride and vapor, respectively. Ch Depth Or Chloride Test Strips and PID for chloride colspan="2">Lithologic Description Depth Or Chloride Test Strips and PID for chloride colspan="2">Lithologic Description D O O CHE O CHE O O CHE O	
LITHOLOGIC / SOIL SAMPLING LOG Logged By: TH Methologic Coordinates: 32.210189, -103.865053 Hole Diameter: ~1.5' Total Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Ch Performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening and to be the performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening Depth and be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening Lithologic Description and be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening Depth be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening Lithologic Description and be performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screening Depth	
Coordinates: 32.210189, -103.865053 Hole Diameter: ~1.5' Total Coordinates: 32.210189, -103.865053 Hole Diameter: ~1.5' Total Coordinates: Size on uncertain g conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Characteria Deptive of the test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria Deptive of test Strips and PID for chloride and vapor, respectively. Characteria	nod: Backhoe
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Characterization of soil to distilled water. A 40% correction factor is included in all chloride screening Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Characterization factor is included in all chloride screening Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Characterization factor is included in all chloride screening Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Characterization factor is included in all chloride screening Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Characterization factor is included in all chloride screening Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Characterization factor is included in all chloride screening Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Characterization factor is included in all chloride screening Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride test Strips and PID for chloride test screening Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride test screening Comments: Field screening Comments: Field screening conducted with HACH Chloride Test Strips and Field Strips (Strips and Strips and Strips and Strips and Strips and Strips	l Depth: 1' bgs
D 610.4 0.0 N PH05 0.5 1 1 0 CCHE 0-1' CALICHE, pad fill, no stain, no D 448 0.0 N PH05 1 1 1	
D 610.4 0.0 N PH05 0.5 D 448 0.0 N PH05 1 1	
D 448 0.0 N PH05 1 1 1	odor.
D 448 0.0 N PH05 1 1 1	
D 440 0.0 N PROS 1 T TD Total Depth @ 1' bgs.	



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



May 02, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 22 DTD PAD D

Enclosed are the results of analyses for samples received by the laboratory on 04/26/24 13:30.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



		ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	04/26/2024		Sampling Date:	04/25/2024
Reported:	05/02/2024		Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D		Sampling Condition:	Cool & Intact
Project Number:	03C1558346		Sample Received By:	Shalyn Rodriguez
Project Location:	XTO			

Sample ID: SS 01 0.5' (H242245-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	04/30/2024	ND	2.22	111	2.00	5.78	
Toluene*	<0.050	0.050	04/30/2024	ND	2.25	113	2.00	4.41	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.25	112	2.00	4.29	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.82	114	6.00	3.97	
Total BTEX	<0.300	0.300	04/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	04/30/2024	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	208	104	200	1.58	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	189	94.6	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	04/26/2024		Sampling Date:	04/25/2024
Reported:	05/02/2024		Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D		Sampling Condition:	Cool & Intact
Project Number:	03C1558346		Sample Received By:	Shalyn Rodriguez
Project Location:	ХТО			

Sample ID: SS 02 0.5' (H242245-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2024	ND	2.22	111	2.00	5.78	
Toluene*	<0.050	0.050	04/30/2024	ND	2.25	113	2.00	4.41	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.25	112	2.00	4.29	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.82	114	6.00	3.97	
Total BTEX	<0.300	0.300	04/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/k		/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	04/30/2024	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	208	104	200	1.58	
DRO >C10-C28*	34.1	10.0	04/30/2024	ND	189	94.6	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					
Surrogate: 1-Chlorooctane	76.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	04/26/2024		Sampling Date:	04/25/2024
Reported:	05/02/2024		Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D		Sampling Condition:	Cool & Intact
Project Number:	03C1558346		Sample Received By:	Shalyn Rodriguez
Project Location:	ХТО			

Sample ID: SS 03 0.5' (H242245-03)

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	04/30/2024	ND	2.05	103	2.00	0.0123	
Toluene*	<0.050	0.050	04/30/2024	ND	2.10	105	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.12	106	2.00	1.12	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.20	103	6.00	1.20	
Total BTEX	<0.300	0.300	04/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	04/30/2024	ND	432	108	400	7.69	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	208	104	200	1.58	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	189	94.6	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	04/26/2024		Sampling Date:	04/25/2024
Reported:	05/02/2024		Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D		Sampling Condition:	Cool & Intact
Project Number:	03C1558346		Sample Received By:	Shalyn Rodriguez
Project Location:	ХТО			

Sample ID: SS 04 0.5' (H242245-04)

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	04/30/2024	ND	2.05	103	2.00	0.0123	
Toluene*	<0.050	0.050	04/30/2024	ND	2.10	105	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.12	106	2.00	1.12	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.20	103	6.00	1.20	
Total BTEX	<0.300	0.300	04/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	loride, SM4500Cl-B mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/30/2024	ND	432	108	400	7.69	
TPH 8015M	mg/	′kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	208	104	200	1.58	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	189	94.6	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					
Surrogate: 1-Chlorooctane	71.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	04/26/2024		Sampling Date:	04/25/2024
Reported:	05/02/2024		Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D		Sampling Condition:	Cool & Intact
Project Number:	03C1558346		Sample Received By:	Shalyn Rodriguez
Project Location:	ХТО			

Sample ID: SS 05 0.5' (H242245-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	04/30/2024	ND	2.05	103	2.00	0.0123	
Toluene*	<0.050	0.050	04/30/2024	ND	2.10	105	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.12	106	2.00	1.12	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.20	103	6.00	1.20	
Total BTEX	<0.300	0.300	04/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/30/2024	ND	432	108	400	7.69	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	208	104	200	1.58	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	189	94.6	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-B does not require samples be received at or below 6°C	

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240

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	(575) 393-2326 FAX (575) 393-2476	AX (575) 393-247	76					
Company Name:	Ensolum, LLC			BILL TO		A	ANALYSIS REQ	REQUEST
Project Manager: Tracy Hillard	Tracy Hillard			P.O. #:				
Address: 3122 N	Address: 3122 National Parks Hwy	Ŋ		company: XTO Ener	Energy Inc.			
city: Carlsbad	¥	State: NM	Zip: 88220	Attn: Amy Ruth				
le #:	337 257-8307	Fax #:		in	Green St.			
Project #: 03C1558346	58346	Project Owner:	XTO	city: Carlsbad				
Project Name: PLU 22 DTD	U 22 DTD Pad D			State: NM Zip: 88220	20			
Project Location:				Phone #:				
Sampler Name: Connor Whitman	onnor Whitman			Fax #:				
FOR LAB USE ONLY			P. MATRIX	PRESERV.	SAMPLING			
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 :	BTEX	TPH CHLORIDE		
2-	5501	0.5'	COLUMN TWO IS NOT	4-25-24	1210			
U	5303				1225			
t	5504				1230			
S	5053	¢	t t	4	1235			
						£		
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Can	Damages, Cardinal's liability and cl those for negligence and any other linal be liable for incidental or cons	ient's exclusive remedy for any cause whatsoever shall be de equental damages, including w	claim arising whether based in c emed waived unless made in wr ithout limitation, business interru	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable 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 substainies,	id by the client for the ar completion of the applicable client, its subsidiaries,	1		
Relinquished By:	ned By:	Date: 4/26/24	Received By:	Date: Way Received By: Verbal Results	ult: are en		Please provide Email address:	
Chin		Time: 0/00	all a		bbelill@onsolum.com			THillard @Enselum.com
Relinquished By:		Date: 4/36/31 Time: 1330	Received By:	Z	REMARKS: NAPP2411631990 Cost Center: 2242511001	NAPP2411631990 enter: 2242511001		
Delivered By: (Circle One) Sampler - UPS - Bus - Ot	her:	Observed Temp.	Sample Condition	Condition CHECKED BY:	Turnaround Time: Thermometer ID _#113 Correction Factor 0.516	Standard L	Bacteria (only) S Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. ℃ □ Ves Ves Corrected Temp. ℃
	5.2 TU/U//21	† Cardinal ca	nnot accept verbal	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	nges to celey.keen	e@cardinallabsni		
			nnot accept verbai	changes. Please email chai	riges to cerey. Keen	e@cardinanabsin	n.com	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



May 29, 2024

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

RE: PLU 22 DTD PAD D

Enclosed are the results of analyses for samples received by the laboratory on 05/23/24 13:30.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



	ENSOLUM, LL TRACY HILLA 705 W WADL MIDLAND TX, Fax To:	RD EY AVE.	
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: PH 01 1' (H242874-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	48.0	16.0	05/29/2024	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	Qualifie
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	191	95.4	200	0.0335	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	193	96.4	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: PH 02 1' (H242874-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/29/2024	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	05/24/2024	ND	191	95.4	200	0.0335	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	193	96.4	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: PH 03 1' (H242874-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/29/2024	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	05/24/2024	ND	191	95.4	200	0.0335	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	193	96.4	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY A MIDLAND TX, 797 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: PH 04 0.5' (H242874-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/29/2024	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	05/24/2024	ND	191	95.4	200	0.0335	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	193	96.4	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	6 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: PH 04 1' (H242874-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	24						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/29/2024	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	05/24/2024	ND	191	95.4	200	0.0335	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	193	96.4	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	72.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.2	% 49.1-14	18						

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	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: PH 05 0.5' (H242874-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	05/29/2024	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	05/24/2024	ND	191	95.4	200	0.0335	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	193	96.4	200	1.96	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 \$	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: PH 05 1' (H242874-07)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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May 29, 2024

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

RE: PLU 22 DTD PAD D

Enclosed are the results of analyses for samples received by the laboratory on 05/23/24 13:30.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



	ד 7 א	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024		Sampling Date:	05/22/2024
Reported:	05/29/2024		Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D		Sampling Condition:	Cool & Intact
Project Number:	03C1558346		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86	6489		

Sample ID: SS 06 0.5 (H242875-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE MIDLAND TX, 79705 Fax To:	-	
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: SS 07 0.5 (H242875-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	72.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number: Project Location:	03C1558346 XTO 32.209997-103.86489	Sample Received By:	Tamara Oldaker

Sample ID: SS 08 0.5 (H242875-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: SS 09 0.5 (H242875-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	0						

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	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE MIDLAND TX, 79705 Fax To:	-	
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: SS 10 0.5 (H242875-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	80.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.1	% 49.1-14	8						

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	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number: Project Location:	03C1558346 XTO 32.209997-103.86489	Sample Received By:	Tamara Oldaker

Sample ID: SS 11 0.5 (H242875-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	2.04	102	2.00	15.1	
Toluene*	<0.050	0.050	05/26/2024	ND	2.05	103	2.00	10.3	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.09	104	2.00	8.54	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.13	102	6.00	7.95	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.3	% 49.1-14	0						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-B does not require samples be received at or below 6°C

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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88240	PS	F

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	affiliates or s	vice, In	PLEASE NO						

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Company Name: Ensolum, LLC		n (n n n	ľ					1011			0	E	BILL TO				+	Þ	ANALYSIS	S,		R	le	REQUEST	Ĩ	-		1		-	_
Project Manager:	Frace Hillord	and						P	P.O. #:	#			1																		
Address: 601 N Marienfeld Street, Suite 400	rienfeld Street, Sui	te 400						0	m	Company:		X	XTO Energy	ht																	
City: Midland		te: TX	Zip: 79701	9701				Þ	E.	F	Attn: Annu	5	Ruth																		_
Phone #: 575-	575-937-3906	Fax #:						Þ	ddr	ess	Address: 3104	D	y Greene	al																	_
	14583410	Project Owner: XT	X	0				0	City:	0	5	5	lar1sbud																		_
	122 777	od D						S	tate		VIN	Z	State: NM Zip: 88220	20																	-
Project Location: 30, 0099	0997	103.86489						T	hor	ne #	-	5	Phone #: 432. 461.057	1120																	
Sampler Name: Tracy Hillard								-	Fax #:	*		1		5																	_
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FOR LAB USE ONLY			the state of the s	The state of the s	R						7	/					500														
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PLEASE NOTE: Liability and analyses. All claims including	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the pipical analyses. All claims including those for negligence and any other cause whatsoever shall be deened waived unless made in writing and received by Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applical analyses. All claims including those for negligence and any other cause whatsoever shall be deened waived unless made in writing and received by Cardinal within 30 days after, completion of the applical analyses. All claims including those for negligence and any other cause whatsoever shall be deened waived unless made in writing and received by Cardinal within 30 days after, completion of the applical analyses. All claims including those for negligence and any other cause whatsoever shall be deened waived unless made in writing and received by Cardinal's liability and client's exclusive reactions within a share to the advector and the absolution of the applical statements of the advector and the advector and the advector a	client's exclusive remedy for a her cause whatsoever shall be insecuental damages, including	ny claim deemed without	arising waived limitatic	whethe unless in, busi	r basee made	in col	ntract o lig and lons, lo	receiver fort,	shall red by use, o	be lim Card	inal w	o the amount paid ithin 30 days after ofits incurred by cli	by the client for the completion of the ent, its subsidiarie	he applic as,	able							1 F		1 F		1	l	[
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May 29, 2024

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

RE: PLU 22 DTD PAD D

Enclosed are the results of analyses for samples received by the laboratory on 05/23/24 13:30.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



	TF 70 M	NSOLUM, LLC RACY HILLARD 05 W WADLEY AVE. IIDLAND TX, 79705 ax To:		
Received:	05/23/2024		Sampling Date:	05/21/2024
Reported:	05/29/2024		Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D		Sampling Condition:	Cool & Intact
Project Number:	03C1558346		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86	489		

Sample ID: BH 01 1' (H242876-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE MIDLAND TX, 79705 Fax To:	-	
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported: Project Name:	05/29/2024 PLU 22 DTD PAD D	Sampling Type: Sampling Condition:	Soil Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: BH 02 0.5' (H242876-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: BH 02 1' (H242876-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: BH 03 1' (H242876-04)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLAF 705 W WADLE MIDLAND TX, Fax To:	RD EY AVE.	
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: BH 04 0.5' (H242876-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	104 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: BH 04 1' (H242876-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 9 of 9

Released to Imaging: 9/17/2024 2:15:20 PM

Received by OCD: 9/10/2024 3:08:03 PM

FURM-000 R 3.2 10/07/21	Sampler - UPS - Bus - Other: Corr	Delivered By: (Circle One)		Relinquished By:	In Which	Kelinquished by:	affiliates or successors arising out of or related to the performance of	analyses. All claims including trose for regingerize and any outer wave minimum or any other high incurred by client, its subsidiaries, analyses. All claims including trose for regingerize and other high incurred by client, its subsidiaries, 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, 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, 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, service.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the crient in or the processing whether based in contract or tort, shall be limited to the amount paid by the crient in or the processing of the processing whether based in contract or tort, shall be limited to the amount paid by the crient in or the processing of the procesing of the processing			6 BHOY	S DHU			3 RHOA	2 13402	1 BHOI	4843816	lb I.D. Sample I.D.		FOR LAB USE ONLY	Sampler Name: Tracy Hillard	on: 32,20997,-	ime: PUL 22 DTO		Phone #: 575-937-3906 Fa		Address: 601 N Marienfeld Street, Suite 400	Project Manager: Tracy Hillard	Company Name: Ensolum, LLC	101 East Mariand, nouse, nm. 002-00 (575) 393-2326 FAX (575) 393-2476
+ Cardinal cannot accept verbal c	No V	Observed Temp. °C 19 Sample Condition Cool Infact	Time:	Date: Received By:	1111111 055 milli	324	of services hereunder by Cardinal, regardless of writerier such cardinal, regardless of writerier such cardinal in the service of the service	ental damages, including without limitation, business interruption	s exclusive remedy for any claim arising whether based in contra- tions whatcower shall be deemed waived unless made in writing				C·0	2			0.5 11 1	/ 6 I X	# G % S O	(feet) B)RAB OR (C CONTAINEE ROUNDWA WASTEWATE OIL DIL BLUDGE	C)OMP. RS FER	MATRIX		103,86487	Pad D	Project Owner: XTO	Fax #:	State: TX Zip: 79701	0			FAX (575) 393-2476
hanges. Please email changes to	10	CHECKED BY: TI (Initials)	Cost	1 nAP		All Resu	Verbal Result:	limitation, business interruptions, loss of use, or loss of profits incurred by client, its subside	and received by Cardinal within 30 days after completion of the a				nour	093-	0930	0918	0100	0040 42-12-C X		DTHER : CID/BASE: CE / COOL DTHER : DATE	5	PRESERV. SAMPLING	1	Phone #: 452-661-05/1	State: // V/ Zip: 88 do U	city: Carlsback	Address: 5104 Greene St		Company: X IVERCAY	P.O. #	BILL IO	
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com		me: Standard Bacteria	1. dayasilou	nAPPay11631990		All Results are emailed. Please provide Email address.	Result: Ves No Add'I Phone #:		of the applicable											TPH 8015 BTEX 802 Chloride 4												ANALYSIS REOLIEST

CARDINAL Laboratories



May 30, 2024

TRACY HILLARD ENSOLUM, LLC 705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 22 DTD PAD D

Enclosed are the results of analyses for samples received by the laboratory on 05/23/24 13:30.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



		ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024		Sampling Date:	05/21/2024
Reported:	05/30/2024		Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D		Sampling Condition:	Cool & Intact
Project Number:	03C1558346		Sample Received By:	Tamara Oldaker

XTO 32.209997-103.86489

Sample ID: FS 01 0.5 (H242877-01)

Project Location:

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/29/2024	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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 02 0.5 (H242877-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	32.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AV MIDLAND TX, 7970 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 03 0.5 (H242877-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	176	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 04 0.5 (H242877-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	256	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>98.3</i>	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		-	
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 05 0.5 (H242877-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 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	176	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		-	
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 06 0.5 (H242877-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	64.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 08 0.5 (H242877-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	48.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	206	103	200	0.718	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	203	101	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AV MIDLAND TX, 7970 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 09 0.5 (H242877-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.92	96.2	2.00	18.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.90	94.9	2.00	14.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.97	98.6	2.00	14.8	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.00	100	6.00	14.7	
Total BTEX	<0.300	0.300	05/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	80.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/21/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 10 0.5 (H242877-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 11 0.5 (H242877-10)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	48.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY A MIDLAND TX, 797 Fax To:	=-	
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 12 0.5 (H242877-11)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 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	32.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY A MIDLAND TX, 797 Fax To:	=-	
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 13 0.5 (H242877-12)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	64.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 14 0.5 (H242877-13)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	240	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 15 0.5 (H242877-14)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	208	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 16 0.5 (H242877-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	336	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE MIDLAND TX, 79705 Fax To:	-	
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 17 0.5 (H242877-16)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	208	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 18 0.5 (H242877-17)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	160	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 19 0.5 (H242877-18)

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	208	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 20 0.5 (H242877-19)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	208	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 21 0.5 (H242877-20)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 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	96.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY A MIDLAND TX, 797 Fax To:	=:	
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 22 0.5 (H242877-21)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	80.0	16.0	05/29/2024	ND	416	104	400	10.9	
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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number: Project Location:	03C1558346 XTO 32.209997-103.86489	Sample Received By:	Tamara Oldaker
	X10 J2.209997-10J.00 7 09		

Sample ID: FS 23 0.5 (H242877-22)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 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	160	16.0	05/30/2024	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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	PLU 22 DTD PAD D	Sampling Condition:	Cool & Intact
Project Number:	03C1558346	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.209997-103.86489		

Sample ID: FS 24 0.5 (H242877-23)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2024	ND	1.90	94.9	2.00	23.9	
Toluene*	<0.050	0.050	05/26/2024	ND	1.98	99.1	2.00	23.0	
Ethylbenzene*	<0.050	0.050	05/26/2024	ND	2.06	103	2.00	22.3	
Total Xylenes*	<0.150	0.150	05/26/2024	ND	6.34	106	6.00	22.0	
Total BTEX	<0.300	0.300	05/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	240	16.0	05/30/2024	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	05/24/2024	ND	187	93.4	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	205	103	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Project Manager: Tracy

Hillard

P.O. #:

BILL TO

ANALYSIS

REQUEST

Company Name: Ensolum, LLC

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: Relinquished By: analyses. All claims including those for negligence and any other Project Name: P service. In no event shall Cardinal be liable for incidental or cons PLEASE NOTE: Liability and Sampler Name: Tracy Hillard Project Location: 32, 20997, -Project #: 03C|558346 Phone #: 575-937-3906 City: Midland Address: 601 N Marienfeld Street, Suite 400 Sampler - UPS - Bus - Other: Delivered By: (Circle One) 424287 FOR LAB USE ONLY Lab I.D. D 0 0 00 U Damages. Cardinal's liability and client's exclusive remedy for any claim u aa dto out of or re FS03 F305 F510 FSOH Sample I.D. 4500 fSO ed to the perio S Observed Temp. Corrected cause what Pad 103.86489 uental damages, including without limitation, business inter Time 330 J-23-24 Date: S'O Fax #: Project Owner: 5:0 0.5 State: + Time: 0.5 5:0 0 2:0 0,5 Depth Q (feet) Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com remedy for any claim arising whether based in contract or lort, shall be limited to the amount pad by the client for the ever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable D X റ് ô Zip: 79701 Received By: Received By: 0 (G)RAB OR (C)OMP XTO 2 2220 **# CONTAINERS** GROUNDWATER Cool Intact Yes Yes Sample Condition WASTEWATER NAM SOIL MATRIX OIL SLUDGE loss of use, or loss of profits incurred by client, its subsidiaries OTHER Fax #: State: /VW Zip: 88220 City: Phone #: 432.661.057 Company: XTO Energy Address: 5/04 Greene St Attn: Amy ACID/BASE: PRESERV 0 CHECKED BY: Carlsbad ICE / COOL X 4 (Initials) OTHER : h2:12:5 DATE Kuth SAMPLING All Results are emailed. Please provide Email address: Correction Family Turnaround Time: nApp2411631990 Verbal Result: BBeiill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com 002 ISS SIII lost (enter: 2242511001 1150 1135 1140 130 521 021 TIME **TPH 8015** #13 □ Yes BTEX 8021 #140 Standard Rush Chloride 4500 ON D 5 Add'l Phone #: 24 Ves Yes Cool Intact Bacteria (only) Sample Condition

Released to Imaging: 9/17/2024 2:15:20 PM

Observed Temp. Corrected Temp. °C

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Delivered By: (Circle One) O _b Sampler - UPS - Bus - Other: C ₀	Refinquished By:	In theld	affiliates or successors arising out of or related to the performance Relinquished By:	analyses. All claims incurring the curring is curring is accurate structure entropy for any claim ansing whether based in contract or bit, shall be limited to the amount paid by the cleart for analyses. All claims including those for negleprice and any other cause whatsevere shall be demnet waived unless made in writing and received by Cardinal within 30 days after completion of the applica 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 subfairles,	19 FS20	-11	17 FS18	14 FSIT	15 FS16	SIG± 1/	TS	5	\sim	10 FS11	Lab I.D. Sample I.D.		FOR LAB USE ONLY	Sampler Name: Tracy Hillard	2	Project Name: PUL 22 DTD	Project #: 03(1558346	Phone #: 575-937.3900	City: Midland	Address: 601 N Marienfeld Street, Suite 400	Project Manager: Tracy Hill	Company Name: Ensolum, LLC	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	Labora
Corrected Temp. °C // 9		1	e of services hereunder by Cardinal, reg Date:/ Rece	ients exclusive remedy for any claim aris r cause whatsoever shall be deemed wai equental damages, including without limi										0.5 01	(G)RAB OR (# CONTAINE	-			-103.86489	Paul D	Project Owner:	Fax #:	State: TX Zip: 79701	ite 400	land		11 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	oratories
Sample Condition Cool Intact Pres Pres	Received By:	MUM akan	final, regardless of whether such claim is bas	ising whether based in contract or to: ived unless made in writing and rece itation, business interruptions, loss of										X	GROUNDWA WASTEWATT SOIL OIL SLUDGE OTHER :	ATER ER	MATRIX	Fa	Ph	St	TO	Ac		00	P.O.			
a Tomp, °C // G Sample Condition CHECKED BY: Turnaround Time: Standard Back Cool Intact (Initials) Turnaround Time: Standard Back Cool Intact (Initials) Thermometer ID #119- 11/40 Correction Factor 4:50 120-5/23/24		a falle	sed upon any of the above s	rt, shall be limited to the am ived by Cardinal within 30 d f use, or loss of profits incur										Z'S X	ACID/BASE: ICE / COOL OTHER :		PRESERV.	Fax #:	*	2	city: (w/shad	5	Attn: Anny 1	Company: XTO Energy	0. #:	BILL TO		
Y: Turnaround Time: Thermometer ID -#4 Correction Factor 40	nAPP 2411	All Results BBelill@e	stated reasons or otherwise. Verbal Result:	nount paid by the client for days after completion of the rred by client, its subsidiar	1243	1421	1239	1237	1235	1732	1230	1226	1223	5.22.24 1220	DATE TIME		SAMPLING		661.0571	M Zip: ShaaO	id	Green	Ruth '	Emerand		10		CHAIN
d Time: er ID #1	24110 S:	s are em ensolum.	sult:	the ne applicable fies.	-				-				-	r	TPH 8015													-OF-
HIS THE SO	631990	ailed. Pi com, TM	□ Yes	-						_			-	4	BTEX 8021										_			CUS
13/24/	190		No Add'l Phone #:												Chloride 4	500									_	ANALYSIS		tody and a
)) Bacteria (only) Sample Condition Cool Intact Observed Temp. °C □Yes Yes Nc Nc Nc		dress: THillard@ensolum.com	· #:																							IS REQUEST	of	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 27 of 28

Delivered By: (Circle One) Observed Temp. *C Image: Cool Intact Sampler - UPS - Bus - Other: Corrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Corrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Corrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Corrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Torrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Torrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Torrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Torrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Torrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Torrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Torrected Temp. *C Image: Cool Intact FURM-005 R 3.2 10/07/21 Torrected Temp. *C Image: Cool Intact	Relinquished By:	negligence and any other cause whatsoever shall be deemed waved unless may be for incidental or consequental damages, including without limitation, business elated to the performance of services hereunder by Cardinal, regardless of whet	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whather based is construct or lost shell be to	TS	22 Tr 23	TSOI OIS CI X	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	Sampler Name: Tracy Hillard	Project Location: 30, 20997, -103, 8(0489	TD Pri	30 1558 24	City: Midland State: TX Zip: 79701	Address: 601 N Marienfeld Street, Suite 400	Project Manager: Iracy Hillard	Ensolum, LLC	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	Laboratories
a T • m p. °C / G Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) Sample Condition (a T • m p. °C Gool Intact (Initials) Turnaround Time: Standard Bacteria (only) Sample Condition (a T • m p. °C Gool Intact (Initials) Thermometer ID Whits H/H & Cool Intact Observed Temp. °C (Initials) No Corrected Temp. °C Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com No Corrected Temp. °C	are emailed. Please provinsolum.com, TMorrissey@e					X	OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : OTHER	Fax #:	# 432.6		City: Car (shad)	y R	Company: XTO GRAGU		BILL TO ANALYSIS REQUEST	()0 (CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 9/10/2024 3:08:03 PM

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From:	Tacoma Morrissey
То:	Wells, Shelly, EMNRD
Subject:	[EXTERNAL] RE: NAPP2411631990 POKER LAKE UNIT 22 DTD PAD D
Date:	Tuesday, September 17, 2024 11:58:14 AM
Attachments:	image001.png
	image002.png
	image003.png
	Figure 3, Confirmation Soil Sampling Locations.pdf

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hi Shelly,

I appreciate you reaching out! You are correct, no excavation was completed in that area, only delineation and confirmation soil sampling which indicates no impacted soil exists in that area. What you are seeing in the Figure is an error in the legend that was missed, my sincerest apologies. Please see the attached figure with the legend corrected, to assist in your review.

Please let me know if we need to submit anything additional to document the correction. Thank you so much for reaching out and letting me address your concern.

Thank you,



Tacoma Morrissey Associate Principal 337-257-8307 Ensolum, LLC in f X

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, September 17, 2024 12:37 PM
To: Tacoma Morrissey <tmorrissey@ensolum.com>
Subject: NAPP2411631990 POKER LAKE UNIT 22 DTD PAD D

[**EXTERNAL EMAIL**]

Hi Tacoma,

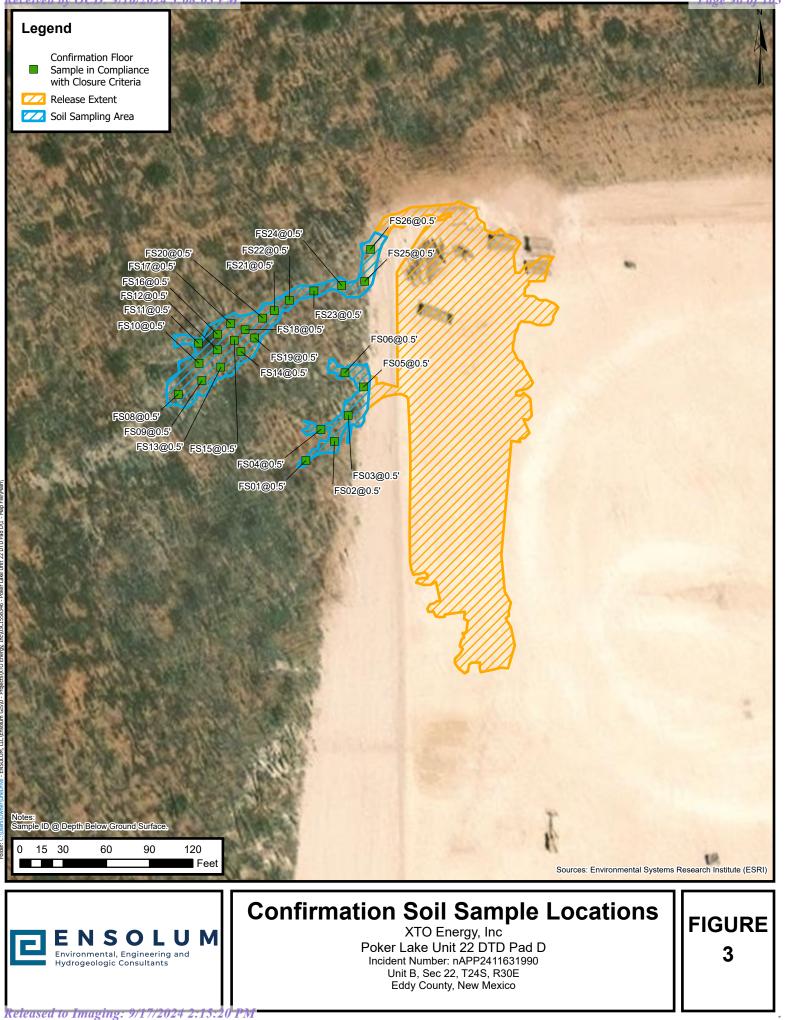
I am reviewing the submitted remediation plan for NAPP2411631990 POKER LAKE UNIT 22 DTD PAD D and have a few questions. Why does the area of the pasture that was sampled say Excavation Extent? From what I read in the remediation summary, no surface scrape or any excavation was conducted in the pasture or did I miss something? I look forward to hearing what you have to say.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 382286

QUESTIONS							
Operator:	OGRID:						
XTO ENERGY, INC	5380						
6401 Holiday Hill Road	Action Number:						
Midland, TX 79707	382286						
	Action Type:						
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)						

QUESTIONS

Prerequisites						
nAPP2411631990						
NAPP2411631990 POKER LAKE UNIT 22 DTD PAD D @ 0						
Produced Water Release						
Remediation Plan Received						
-						

Location of Release Source

Please answer all the questions in this group.							
Site Name	POKER LAKE UNIT 22 DTD PAD D						
Date Release Discovered	04/09/2024						
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: Equipment Failure Pump Produced Water Released: 18 BBL Recovered: 0 BBL Lost: 18 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.

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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 382286

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QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	382286
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)								
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.							
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	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 s	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	True				
All free liquids and recoverable materials have been removed and managed appropriately	True				
If all the actions described above have not been undertaken, explain why	Not answered.				
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.				
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or				
I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/10/2024				

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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District III

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 382286

Page 99 of 103

 QUESTIONS (continued)

 Operator:
 OGRID:

 XTO ENERGY, INC
 5380

 6401 Holiday Hill Road
 Action Number:

 Midland, TX 79707
 382286

 Action Type:
 [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days 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	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	id the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (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	Between 1 and 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 plan approval with this submission Yes Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 2360 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 34.1 GRO+DRO (EPA SW-846 Method 8015M) 34.1 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 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 04/26/2024 On what date will (or did) the final sampling or liner inspection occur 11/18/2024 On what date will (or was) the remediation complete(d) 11/18/2024 What is the estimated surface area (in square feet) that will be reclaimed 22275 What is the estimated volume (in cubic yards) that will be reclaimed 845 What is the estimated surface area (in square feet) that will be remediated 22275 What is the estimated volume (in cubic yards) that will be remediated 845 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

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505

Phone: (505) 476-3470 Fax: (505) 476-3462

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 382286

QUESTIONS (continued)		
Operator:	OGRID:	
Midland, TX 79707	5380	
	Action Number:	
	382286	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510] OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Not answered. (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered. (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered. (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered. Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Name: Colton Brown Title: Environmental Advisor I hereby agree and sign off to the above statement Email: colton.s.brown@exxonmobil.com Date: 09/10/2024

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

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

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Action 382286

QUESTIONS (continued)		
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380	
	Action Number: 382286	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		

Deferral Requests Only

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

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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Action 382286

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QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	382286
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

E

Sampling Event Information	
Last sampling notification (C-141N) recorded	382573
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/20/2024
What was the (estimated) number of samples that were to be gathered	130
What was the sampling surface area in square feet	23000

Remediation Closure Request

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

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CONDITIONS

Action 382286

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	382286
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By Condition Condition Date Remediation plan approved. Variance is approved to collect five-point composite confirmation samples from the base of the excavation every 400 square feet 9/17/2024 scwells and every 200 square feet from the walls of the excavation. Submit remediation closure report to the OCD by 12/16/24.