E N S O L U M

January 22, 2025

New Mexico Energy Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request PLU 20 Brushy Draw 124 & Poker Lake Unit 20-8 BD 105H Incident Numbers nAPP2401636864 & nAPP2405057797 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document assessment, delineation, excavation, and soil sampling activities at the PLU 20 Brushy Draw 124 and Poker Lake Unit 20-8 BD 105H (Site). The purpose of the assessment, remediation, and soil sampling activities was to assess the presence or absence of impacts to soil following a release of produced water. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing delineation and excavation activities that have occurred and requesting no further action for Incident Numbers nAPP2401636864 and nAPP2405057797.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 20, Township 25 South, Range 30 East, in Eddy County, New Mexico (32.1117°, -103.90534°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On January 6, 2024, human error resulted in the release of approximately 543 barrels (bbls) of produced water with friction reducer (FR) onto the surface of the pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 540 bbls of released fluids were recovered. Produced water is recycled through filtering and separation, then mixed in a blender with FR and used as hydraulic fracturing (frac) fluid during the well completion process. The safety data sheet (SDS) for FR is provided as Appendix A. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and an Initial C-141 Application (C-141) on January 16, 2024. The release was assigned Incident Number nAPP2401636864.

On February 5, 2024, a blender failure during frac operations resulted in the release of approximately 21 bbls of produced water onto the surface of the pad. A total of 18 bbls of released fluids was recovered. XTO reported the release to the NMOCD via NOR and C-141 on February 19, 2024. The release was assigned Incident Number nAPP2405057797.

After reviewing the C-141, initial release photographs, internal documents, and conducting interviews with XTO personnel, it was discovered the two releases occurred in the same area of the well pad and overlapped; therefore, XTO is addressing the soil impacts concurrently and the release extent mapped on Figure 2 represents both releases.

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SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on data from a soil boring drilled to investigate regional groundwater depth. In February 2020, a soil boring permitted by New Mexico Office of the State Engineer (C-4394) was completed approximately 0.5 miles west of the Site utilizing sonic drilling method. Soil boring C-4394 was drilled to a depth of 110 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The temporary well was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Record & Log is included in Appendix B.

The closest continuously flowing or significant watercourse is an intermittent dry wash, located approximately 72 feet east of the Site. Because the significant watercourse appeared in online databases to flow through the well pads, pipeline right-of-way (ROW), and lease roads (Figure 2), Ensolum personnel conducted a field investigation on October 4, 2024, to determine if the feature complies with the definition of a significant watercourse per Subsection P of 19.15.17.7 NMAC. Ensolum was able to confirm an intermittent dry wash with an established bed and bank located approximately 192 feet to the east of the release extent. The significant watercourse begins south of the pipeline ROW northeast of the Site. An erosional feature through the ROW is visible in Photo 2. A more mature cut bank with a defined bed was observed in Photo 3 and confirmed the continuation of the dry wash. Ensolum observed a manmade stormwater management feature installed near the location of Photo 4, which depicts a culvert built under the lease road, then is directed into a man-made channel that runs south along the edge of the well pad. The stormwater feature is visible in Photo 5 and in the background of that photo is the well pad, which was built approximately 6 feet above the natural grade of the area. More detailed results and photographic evidence are provided in Figure 2.

The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the results of the Site Characterization and requirements of a denial of the previous *Closure Request* by NMOCD (described in subsequent sections), the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On February 20, 2024, Ensolum personnel visited the Site to evaluate the commingled release extent, which was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 3. Due to ongoing operations on pad, no samples were collected during this Site visit.

On June 18 and July 11, 2024, Ensolum personnel returned to the Site to collect delineation samples. Fourteen assessment soil samples (SS01 through SS14) were collected from a depth of 0.5 feet bgs within and around the release extent. Three boreholes were advanced via hand auger within the release extent in the vicinity of SS03, SS04, and SS14 to assess the vertical extent of the release. Delineation soil samples were collected at depths ranging from 0.5 feet bgs to 3 feet bgs. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach[®] chloride QuanTab[®] test strips. The delineation soil sample locations are depicted on Figure 3. Photographic documentation was collected during the Site assessment and a Photographic Log is included in Appendix C. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix D.

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

Laboratory analytical results indicated all COC concentrations in delineation soil samples SS01, SS02, and SS05 through SS13 met the Closure Criteria and reclamation requirement. Laboratory analytical results for delineation soil samples SS01, SS02, and SS14 indicated chloride concentrations exceeded reclamation requirement at 0.5 feet bgs but the terminal sample from each location was in compliance with Closure Criteria and reclamation requirement at depths ranging from 1-foot to 3 feet bgs. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix E.

EXCAVATION ACTIVITIES

Between August 16 and October 4, 2024, Ensolum personnel were onsite to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results for soil samples SS01, SS02, and SS14. Excavation activities were performed using heavy equipment. To direct excavation activities, Ensolum personnel field screened soil for VOCs and chloride. Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation soil samples FS01 through FS82 were collected from the floor of the excavation at depths ranging from 1-foot to 4 feet bgs. Excavation sidewall soil samples SW01 through SW09 were collected from the sidewalls of the excavation at depths ranging from the sidewalls of the excavation at depths ranging from the sidewalls of the excavation at depths ranging from ground surface to 3 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures described above.

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On October 8, 2024, a *Closure Request* was submitted to the NMOCD requesting no further action for the Incident Numbers nAPP2401636864 and nAPP2405057797. The *Closure Request* was denied on October 31, 2024, for the following reasons:

The Remediation Closure Report is Denied. The release will need to be remediated to the strictest closure criteria standards due to the lateral extents of the release being within 300 ft of a significant watercourse. Part 2 definition: "Watercourse" means a river, creek, arroyo, canyon, draw or wash or other channel having definite banks and bed with visible evidence of the occasional flow of water. Due to the sensitive nature of the release location and the watercourse directly east of the pad, vertical delineation should meet the strictest closure criteria standards of <50' depth to groundwater. Please review floor samples (FS63A and FS64).

Additional remediation activities were completed to address the denial, in which NMOCD determined the constructed culvert is required to be considered a significant watercourse, and are described below.

On November 20, 2024, Ensolum personnel returned to the Site to oversee additional excavation in the vicinity of excavation floor soil samples FS63A and FS64 utilizing heavy equipment. To direct excavation activities, Ensolum personnel field screened for VOCs and chloride. Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. Excavation soil sample FS63B was collected from the floor of the excavation at a depth of 7 feet bgs. Excavation soil sample FS64A was collected from the floor of the excavation at a depth of 10 feet bgs. Excavation sidewall soil sample SW10 was collected from the sidewall of the additional excavation at depths ranging from 4 feet to 10 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures described above. The excavation extent and excavation soil sample locations are depicted on Figure 4.

The final excavation extent measured approximately 15,792 square feet. A total of approximately 940 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the OWL Landfill Facility in Jal, New Mexico. Manifests from the disposal are included in Appendix E.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final excavation floor soil samples, FS01 through FS39, FS40A, FS41 through FS62, FS63B, FS64B, and FS65 through FS82 and sidewall soil samples SW01 through SW10 indicated all COCs were in compliance with Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix F.

CLOSURE REQUEST

Delineation and excavation activities were conducted at the Site to address the January 2024 and February 2024, releases of produced water with FR. Laboratory analytical results for the confirmation soil samples, collected from the final excavation extent, indicated all COCs were compliant with the Site Closure Criteria and the reclamation requirement. Based on the soil sample analytical results, no further remediation is required. XTO has backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Numbers nAPP2401636864 and nAPP2405057797.

XTO Energy, Inc Closure Request PLU 20 Brushy Draw 124 & Poker Lake Unit 20-8 BD 105H

E N S O L U M

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

Sincerely, Ensolum, LLC

Tragen Hithard

Tracy Hillard Project Engineer

Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist

cc: Colton Brown, XTO Kaylan Dirkx, XTO BLM

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Watercourse Survey
- Figure 3 Delineation Soil Sample Locations
- Figure 4 Excavation Soil Sample Locations
- Table 1Soil Sample Analytical Results
- Appendix A Friction Reducer SDS
- Appendix B Referenced Well Records
- Appendix C Photographic Log
- Appendix D Lithologic / Soil Sampling Logs
- Appendix E Disposal Manifests
- Appendix F Laboratory Analytical Reports & Chain-of-Custody Documentation

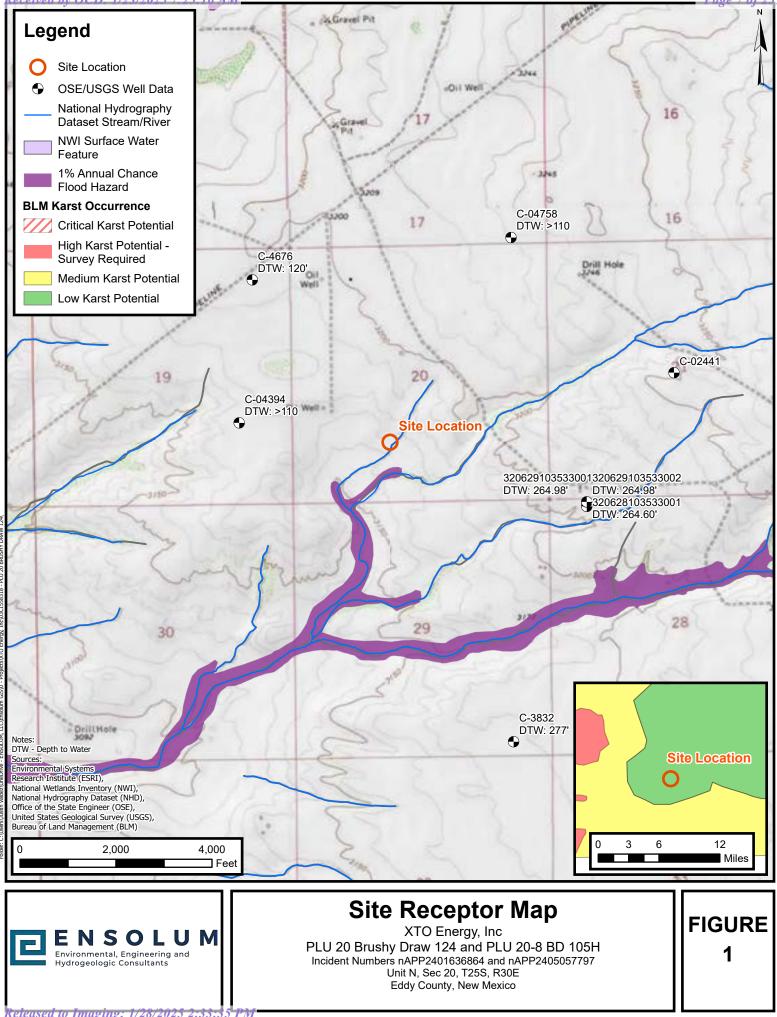


FIGURES

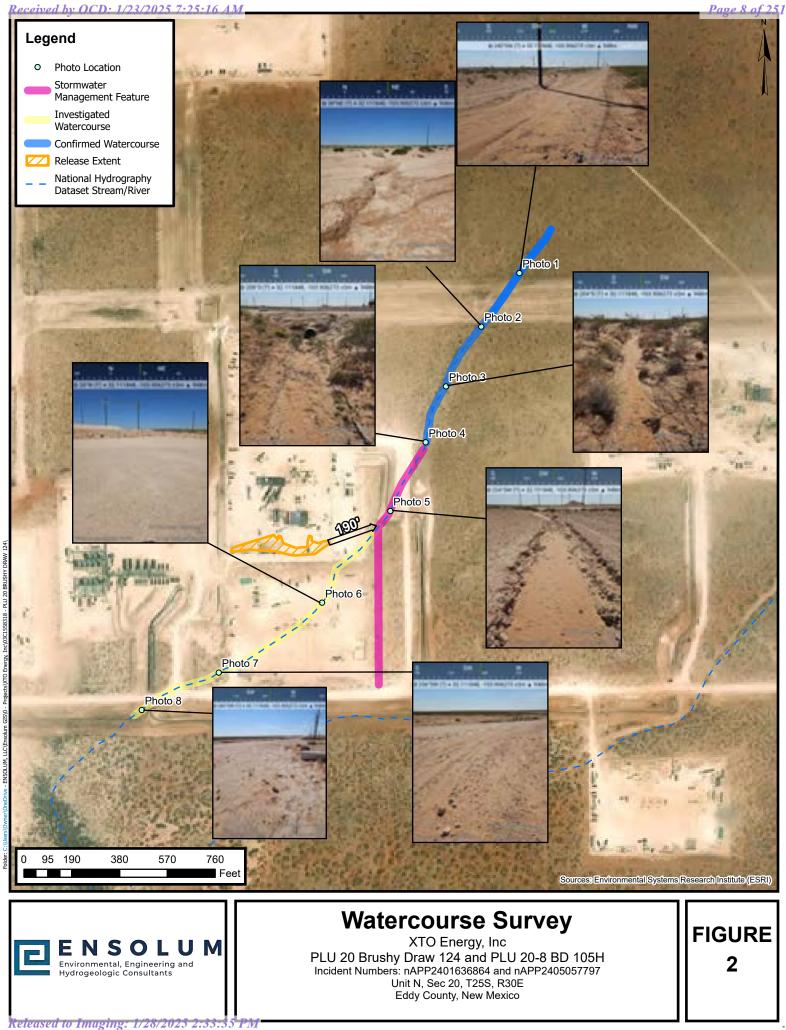
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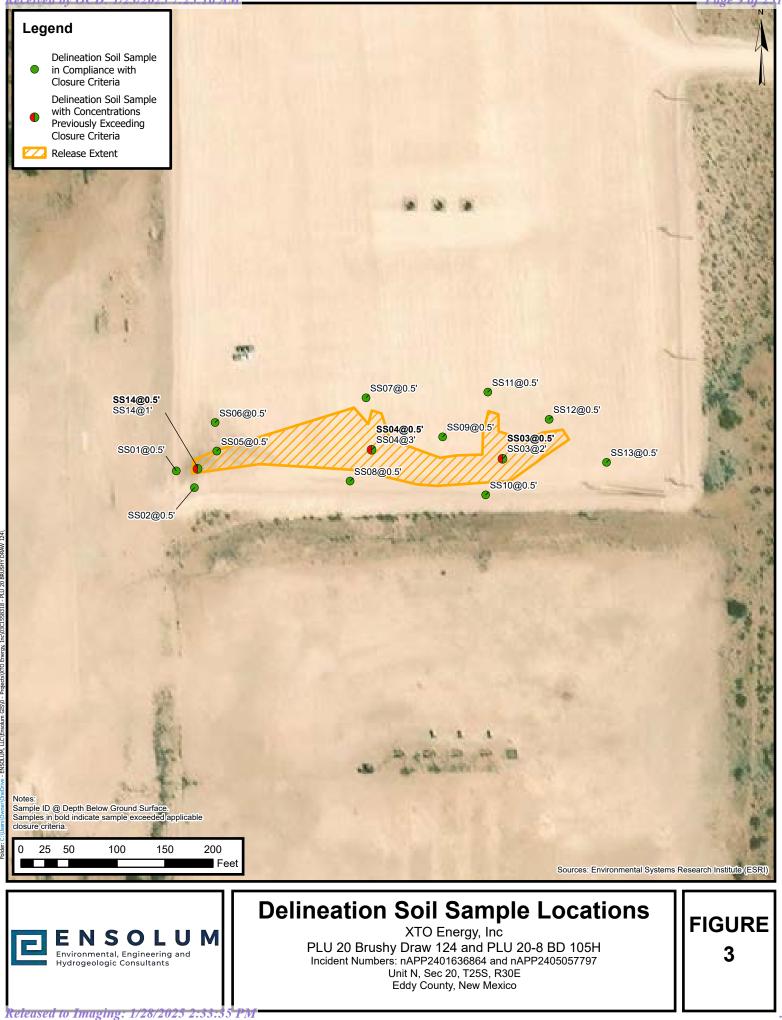
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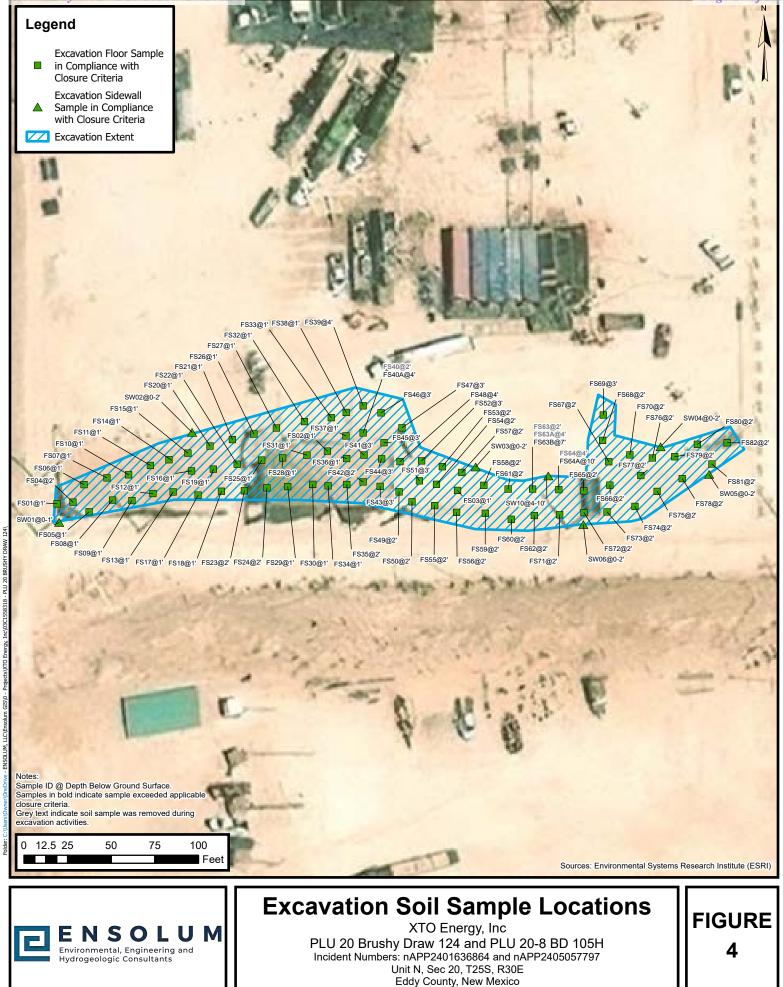


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TABLES

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 Brushy Draw 124 & PLU 20-8 BD 105H 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 Clo	osure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
		1		Del	lineation Soil San	nples			1	I
SS01	7/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SS02	7/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
\$\$03	7/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,800
SS03B	7/11/2024	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS04	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,760
SS04C	07/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SS05	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	17.9	17.9	17.9	384
SS06	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS07	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SS08	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SS09	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SS10	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SS11	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SS12	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SS13	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SS14	06/18/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
SS14A	07/11/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
					cavation Soil San	-	I	1		
FS01	8/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS02	8/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
FS03	8/16/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS04	8/21/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS05	8/21/2024	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS06	8/21/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS07 FS08	8/21/2024 8/21/2024	1	<0.050 <0.050	<0.300	<10.0 <10.0	<10.0	<10.0	<10.0 <10.0	<10.0	224 320
FS08 FS09	8/21/2024	1	<0.050	<0.300 <0.300	<10.0	<10.0 <10.0	<10.0 <10.0	<10.0	<10.0 <10.0	320
FS09 FS10	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS10 FS11	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS12	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS13	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS14	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS15	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS16	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS17	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS18	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS19	8/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS20	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS21	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS22	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS23	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS24	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS25	9/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS26	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS27	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS28	9/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS29	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS30	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS31	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS32	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS33	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS34	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS35	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS36	9/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS37	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS38	8/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS39	9/10/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS40	9/10/2024	-2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
FS40A	10/4/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS41	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
FS42	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS43	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS44	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS45	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS46	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS47	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS48	9/11/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272

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NMOCD Table I C	Closure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS49	9/3/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS50	9/3/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS51	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS52	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS53	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS54	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS55	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS56	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS57	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS58	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS59	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS60	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS61	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS62	9/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS63	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
FS63A	10/4/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,120
FS63B	11/20/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
ES64	10/4/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,480
FS64A	11/20/2024	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS65	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS66	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS67	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS68	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS69	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS70	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS71	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS72	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS73	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS74	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS75	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS76	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS77	9/11/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS78	9/11/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS79	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256

Ensolum

E N S O L U M

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 Brushy Draw 124 & PLU 20-8 BD 105H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I CI	losure Criteria (N	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS80	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS81	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS82	9/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW01	9/10/2024	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SW02	9/10/2024	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW03	9/11/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW04	9/11/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW05	9/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW06	9/11/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW07	9/11/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW08	9/11/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW09	9/11/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW10	11/20/2024	4-10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Friction Reducer SDS

Issuing Date 01-Aug-2019	Revision Date 01-Aug-2019	Revision Number
1. IDENTIFIC	ATION OF THE SUBSTANCE/PREPARATI COMPANY/UNDERTAKING	ION AND OF THE
Product identifier		
Product Name	POLYglide Xcel-200	
Other means of identification		
Product Code(s)	10497	
Synonyms	None	
Recommended use of the cher	nical and restrictions on use	
Recommended Use	No information available	
Uses advised against	No information available	
Details of the supplier of the sa	afety data sheet	
Supplier Address PtP Industries 29738 Goynes Rd. Katy, TX 77493	Manufacturer Address PfP Industries 29738 Goynes Rd. Katy, TX 77493	
Emergency telephone number		
Company Phone Number	281-371-2000	
Emergency Telephone	Chemtrec 1-800-424-9300	
	2. HAZARDS IDENTIFICATION	
Classification		
This chemical is considered haza	ardous by the 2012 OSHA Hazard Communication Standard	1 (29 CFR 1910,1200)
Flammable liquids		Category 4

Warning			
Combustible liquid			

EN / AGHS

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Revision Date 01-Aug-2019

	Appearance	Opaque	Physical state Liquid	Odor Mineral Oil
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Precautionary Statements - Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information

May be harmful in contact with skin Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical name	CAS No	Weight-%	Trade secret
Petroleum distillates, hydrotreated light	64742-47-8	40 - 70	1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

	4. FIRST AID MEASURES
Description of first aid measures	
Inhalation	Remove to fresh air.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).
Most important symptoms and effect	cts, both acute and delayed
Symptoms	No information available.
Indication of any immediate medica	attention and special treatment needed
Note to physicians	Treat symptomatically.

Revision Date 01-Aug-2019

	5. FIRE-FIGHTING MEASURES
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.
Explosion data	
Sensitivity to Mechanical Impac	
Sensitivity to Static Discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
	6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective e	guipment and emergency procedures
Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See
resonal precautions	section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material.
Environmental precautions	
Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.
Methods and material for containm	ent and cleaning up
Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike fa ahead of liquid spill for later disposal.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
	7. HANDLING AND STORAGE
Precautions for safe handling	
Advice on safe handling	Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation.
Conditions for safe storage, includ	ing any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

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8. EXP	OSURE CONTROLS/PERSONAL PROTECTION
Control parameters	
Exposure Limits	The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.
Appropriate engineering controls	
Engineering controls	Showers Eyewash stations Ventilation systems.
Individual protection measures, su	ich as personal protective equipment
Eye/face protection	Tight sealing safety goggles.
Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Do not eat, drink or smoke when using this product. Contaminated work clothing should no be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	
Appearance	Opaque	
Color	Milky white to yellow	
Odor	Mineral Oil	
Odor threshold	No information available	
Property	Values	Remarks • Method
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	>= 67 °C / 153 °F	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.97 - 1.03	
Water solubility	Miscible in water	
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	≥150 mm²/s	
Dynamic viscosity	No data available	None known
Explosive properties	No information available	
Oxidizing properties	No information available	
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Other Information	
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.
	the second se

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

No information available.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	5,005.00 mg/kg
ATEmix (dermal)	2,002.00 mg/kg
ATEmix (inhalation-dust/mist)	5.20 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50		
Petroleum distillates, hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat)4 h		

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation	No information available.	
Respiratory or skin sensitization	No information available.	
Germ cell mutagenicity	No information available.	
Carcinogenicity	No information available.	
Reproductive toxicity	No information available.	
STOT - single exposure	No information available.	
STOT - repeated exposure	No information available.	
Aspiration hazard	No information available.	

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea			
Petroleum distillates, hydrotreated light 64742-47-8	hydrotreated light			4720: 96 h Den-dronereides heteropoda mg/L LC50			
Persistence and degrad	ability No informati	on available.					
Bioaccumulation	There is no	data for this product.					
		1000 0 100 0 10 10 100					
Other adverse effects	No informati	ion available.					
	13. DIS	POSAL CONSIDERA	TIONS				
Waste treatment method	is						
Waste from residues/un	used Dispose of i	n accordance with local regul	ations. Dispose of was	te in accordance with			
products		tal legislation.	auona. Diapose or was				
Contaminated packaging	g Do not reus	e empty containers.					
	14. TR	ANSPORT INFORMA	TION				
DOT	Not regulate	ed. Product does not sustain o	combustion (49 CFR 1	73.120(b)(3))			
	15. RE	GULATORY INFORM	ATION				
International Inventories							
TSCA	Complies						
DSL/NDSL	Complies	Complies					
EINECS/ELINCS	Complies						
ENCS	Does not co	mply					
IECSC	Complies						
KECL	Complies						
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PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

3	SARA 311/312 Hazard Categories	
	Acute health hazard	No
	Chronic Health Hazard	No
	Fire hazard	Yes
	Sudden release of pressure hazard	No
	Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations

This product does not contain any substances regulated by state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NEPA	Health hazards 2	Flammability	2	Instability 0	Physical and chemical properties
HMIS	Health hazards 2	Flammability	2	Physical hazards 0	Personal protection X
Issuing Date	01-Aug-2	019			
Revision Date	01-Aug-2	019			
Revision Note	No inform	ation available.			

Disclaimer

The data supplied herein is for use only in connection with occupational safety and health. The information provided in this Safety Data Sheet is believed to be correct as of the date issued. Updates to this information may be obtained by contacting (either reference contact location or website). PfP Industries MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. This information is not meant to be an all-inclusive document on worldwide hazard communication regulations. Each user of the material described herein must evaluate the conditions of use and design, many of which will be solely within the user's knowledge and control, and the appropriate protective actions, including proper notification and training of employees, necessary to prevent employee exposures, property damage or release to the environment.

End of Safety Data Sheet



APPENDIX B

Referenced Well Records



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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO.				WELL TAG ID NO			OSE FI	LE NO(S	§).				
TION	C-4394 POI								4 E (OPTIC					
GENERAL AND WELL LOCATION	Kyle Litttre	. ,						432-68						
ITT	WELL OWNE 6401 Holida							CITY Midlar	nd			state TX	79707	ZIP
IM Q				GREES	MINUTES	SECO	MDC							
LAN	WELL LOCATION		TITUDE	32	06		.42 N	• ACC	URACY	REQUIRED:	ONE TENT	H OF A S	SECOND	
TERA	(FROM GPS			-103	54	55	.92 W	* DAT	UM REC	UIRED: WGS	84			
. GEN			IG WELL LOCATION TO		ESS AND COMMO	LAND	(ARKS – PLS	SS (SECT)	ON, TO	WNSHЛP, RA	NGE) WHE	RE AVA	AILABLE	
j.	Unit 1 Secti	on19, To	wnship 25S, Range	30E										
	LICENSE NO. 166		NAME OF LICENSED	DRILLER	Shawn Cain					NAME OF 1			OMPANY Drilling	
	DRILLING ST		DRILLING ENDED	DEPTH OF CO	MPLETED WELL (F	T)	BORE HO	LE DEPTI	H (FT)	DEPTH W			UNTERED (FT)	
	2/4/2	20	2/5/20		NA			110						
N	COMPLETED	WELL IS:	ARTESIAN *add Centralizer info be		E SHALLO	W (UNC	ONFINED)	Γ		WATER LEVI PLETED WEL			DATE STATIC	MEASURED
ATIO	DRILLING FLUID: AIR MUD AI					/ES – SPE					None			
ORM	DRILLING MI	ethod:	ROTARY HAMP	MER CABI	LE TOOL 🔽 OTH	ER – SPE	CIFY:	S	onic		CHECK I INSTALL	ED	PITLESS ADAI	
INF	DEPTH (BORE HOLE	CASING	MATERIAL ANI GRADE	D/OR		ASING		CASI			NG WALL	SLOT
SING	FROM	TO	DIAM (inches)		each casing string sections of screen			NECTIO		INSIDE I (inch			ICKNESS inches)	SIZE (inches)
& CASING INFORMATION	0	110	6			/	(aug coup	mag utam						
DNI														
2. DRILLING														
2. D														
					LAR SEAL MATE	RIAT AN		IPACK	SIZE-					
н	DEPTH (BORE HOLE DIAM. (inches)		RANGE B	Y INTE	RVAL				OUNT		METHO PLACEM	
MATERIAL	FROM 110	0 TO	6	*(if using Cet	ntralizers for Artes Bento	ian wells nite Chij		e spacing	below)	<u> </u>	23.5		Pou	
MAT														
LAR												_		
ANNULAR												+		
3. A														
					1 MILLIO 100 100 1									
	OSE INTERI NO.	VAL USE			POD NO).			WR-2		ECORD &	LOG	(Version 09/2	2/2022)
	ATION							WELL					PAGE	1 OF 2

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	DEPTH (f	eet bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATEI		
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZO (attach supplemental sheets to fully describe all units)		YIELD FOR WATER- BEARING ZONES (gpn		
				See attached log	Y N			
					Y N			
					Y N			
					Y N			
					Y N			
TT					Y N			
OF WELL					Y N			
00	ļ				Y N			
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Dip					Y N			
HYDROGEOLOGIC LOG					Y N			
OGE					Y N			
R.					Y N			
4. H					Y N			
					Y N Y N			
					Y N Y N			
					Y N			
					Y N			
					Y N			
					Y N			
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED			
			IR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):			
NO	WELL TEST	TEST	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, I ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN O	NCLUDING DISCHARGE	METHOD, DD.		
TEST; RIG SUPERVISION	MISCELLAN	IEOUS INF	ORMATION: D	y Hole, backfilled with bentonite chips.				
TEST	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE Brett Gresham							
ŝ		SIGNED H	F THE ABOVE D	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND B ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL 0 DAYS AFTER COMPLETION OF WELL DRILLING:				
6. SIGNATURE 5.	CORRECT R		LDER WITHIN 3	Shawn Cain	1/9/2025			
SIGNATURE	CORRECT R		C.		1/9/2025 DATE			
6. SIGNATURE	CORRECT R	SIGNATU	C.	Shawn Cain R / PRINT SIGNEE NAME		rsion 09/22/20		

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U Emtro				508 Wes	ronment st Stevens lew Mexi	Street	0		Identifier MWOC 4394 Project Name	Date: Z/4/20 RP Number:	29	
Compliance · Engineering · Remediation PLO 423											0	
		LITHO	LOGIC	/ SOI	LSAMP				Logged By FS	Method: SONIC		
at/Long Field Screening: CIELORIDES, PID Hole Diameter 4"/6" Total Depth: 110												
ommen	^{ts} No	sam	plin	g L	thold	י קע ר	emar	<s 1<="" on="" td=""><td>У</td><td></td><td></td><td></td></s>	У			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Depth			Lithology/R	emarks		
D			2		1		SW-S	2 5	SAND, dry coarse-f light brwn no'odor	, well grad ine graind - tan, nos		
D			Ν		+ - 5 _ 6				few silty s reddish bi non cohes	ive	as,	
D			2		7 _	•	SP		SAND, dry graded, lig brwn, fine	,		5
D			2		9 - 10 -	•	5W-9		' some mod light brwn rounded	- brwn, sul		
					12 _ 13 _		SP	12'	abundant ss gravel" abundant (mod consol	absent ss grave	tan-dfl	f wh = K
D			М		14 15 16			19' 21.5	abundant -	some	błw	n j
D			N		17		SW-S	23'	brwn-tan, consolidat sandstone absent	ed chunks		
D			N		19							
			i.		20							
					21							4
D			N		22		10					
					23		_				11	
					24							
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	<u> </u>		••	_	25					······································		

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- N				_							rugt 2
UEnge	P		Ca	508 We risbad,	f ronment st Stevens New Mexi Engineering	Identifier: MWOIC439 Project Name: PLU423	4	Date: Z/4/2020 RP Number: RP 2674 2 RP-3790			
		LITHO	DLOGIC	2/801	L SAMP	Logned But ES		Method: SONIC			
Lat/Lon	8	LIII		. / 501	Field Scree	Hole Diameter: 41/6		Fotal Depth:			
Comme	nts										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Depth	Soil/Rock Type		Litholog	gy/Rema	rks
ρ			2		26 27 28 29		SP	27.9	tan, poo fine-ver ' trace li	orly y fir iaht	, light brwn- graded, negrey - grey brwnia ann
D			N		30						oles (gravel),
D		:	2		31 32 33 34			31.	brwn	chi brw	ange n-teddish
m			Ч		35			33-	34' abui	nda s,r	nt ss mod conso
m		84	N	¥,	36 37 38		SW-S	36	some clay reddish bri	wa	ckets few pebbles,
M		*	N	:	39 <u>+</u> 40 <u>+</u> 41 <u>+</u>				laminatio caliche,	ons do	W/ clay, lomite?
ิฑ			N		42 43	2			clay la trace, red	disl	h brwn
M	ţî.		N		44 45 46	ž	es No		SONSILTY SOUTH	Scir	light brwn light brwn
D			N	£Д. ¹ .	47 48		ク	48.5'	clay nodu biwn	trac es	e high plas reddish
D			2		49 <u>-</u> 50 t					0 W	band, orange

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Lat/Long Commen		LITHO	Ca	508 We Insbad, I Mance - I	ironment st Steven New Mexi Engineering L SAMP	s Street ico 8822 g · Remea LING La	liation OG	IdentifierDate: $2/4/2020$ Project NameRP Number: $2RP-3760$ Logged By: FSMethod: SONICHole Diameter: $4/6^{\prime\prime}$
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Depth	Soil/Rock Type	Lithology/Remarks
P D E E D E E			2 2 2 2 2 2 2 2		51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69		SM SM	51.5' trace, high plas clay nodules 53-54' some silly ss, poorly consolidated 55.5' color change fan- grey band (30mm) 59.5' SILTY sand, light brwn-brwn, moist, no plas, non cohosive, no stain 62' more consolidated 64' dark brwn color change, silly clay nodules 60' pockets of silly clay brwn-green 68' low plas clay pocko some, few low plas clay laminations 71' SILTY sand, dry, no plos, non cohesive, light brwn-tan
A A			2 2 2 2		70 71 72 73 74 75		SM	74' trace caliche pebbles, light grey - grey

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			5 Can	.T Environmer 08 West Steve Isbad, New Me: ance · Engineeri	ns Street xico 8822			Identifier: MW0 Project Name: PLU 423	C 4394	Date: 2/4/2020 RP Number: 2RP-3796
Lat/Long Commen	; 	LITHO	DLOGIC	/ SOIL SAMI Field Scru	PLING L		<u>D.</u>	Logged By: FS, 88 Method: sonic Hole Diameter: 61/411 Total Depth: 110'		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	[₩] ¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹	Sample) Depth	Soil/Rock Type		Litho	logy/Rem	arks
Δ			N	97 12 13 10 10 10	76 77 78 79	SM	76.9 82	s' trace l nodules · CIAYS, green	ow pl , red mois ish	as elay dish brwn t, brwn- grey, low , cohesive,
D			И	\$ \$ \$	80 81 82		851	mod SILTY	conso San	lidated
m			N		83 84	1-5	0-1	no pla no sta	s, ni nin, l	on cohosiva, 10 odor
D		1	N		00	sm		' color off who ' light k		
D			N		87 88 89	m-s	87'	SILTSTO W/ clay plas	DNE Doc Ke	, dry, ts, tow
D			N		90 91		91'	· · ·		y pockets
D			N		92 93		94.9	5' band plas (<i>.</i>
D			М		95 0		2/5/2			nd@95' 2/4
m			N		96 97	· `	rige p	WITTY, Coly	IN. Ca	durk brown,
M D M			N	● ‡	98 99 100		- 19	times, no ste ten file gran Tinger.	hin, a	and

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LITHOLOGIC / SOIL SAMPLING LOG Lagged By Method Sample Ladiane: Field Sciencing: CRUORDES, MD Hade Diameter $n'' / 4''$ Total Depth. I/ Sector in state: and an analysis and an analysis I/ I/ Sector in state: and an analysis and analysis I/ I/ Sector in state: and analysis analysis I/ I/ Sector in state: analysis analysis I/ I/ Sector in state: analysis analysis I/ I/ Sector in state: analysis I/ I/ I/ D N I/ I/ I/ I/ N	U England	2		Cai	i08 Wes Isbad, I	st Stevens New Mexic	MWO (Project Name:	_	RP Number				
Landage Field Servering CHLORIDES, PD Hole Duration d' d'' Total Depth d'' Commenter: and going of the servering CHLORIDES, PD Hole Duration d'' Total Depth d''' and going of the servering CHLORIDES, PD begin for the servering charactering of the servering	11		LITHO	LOGIC	/ SOI	LSAMPI	JNG L					Method Seat	
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TD @ 110' 112 113 114 115 116 117 118 119 120 121 122 123 124	m			~		110	·		1	stringer,		11	
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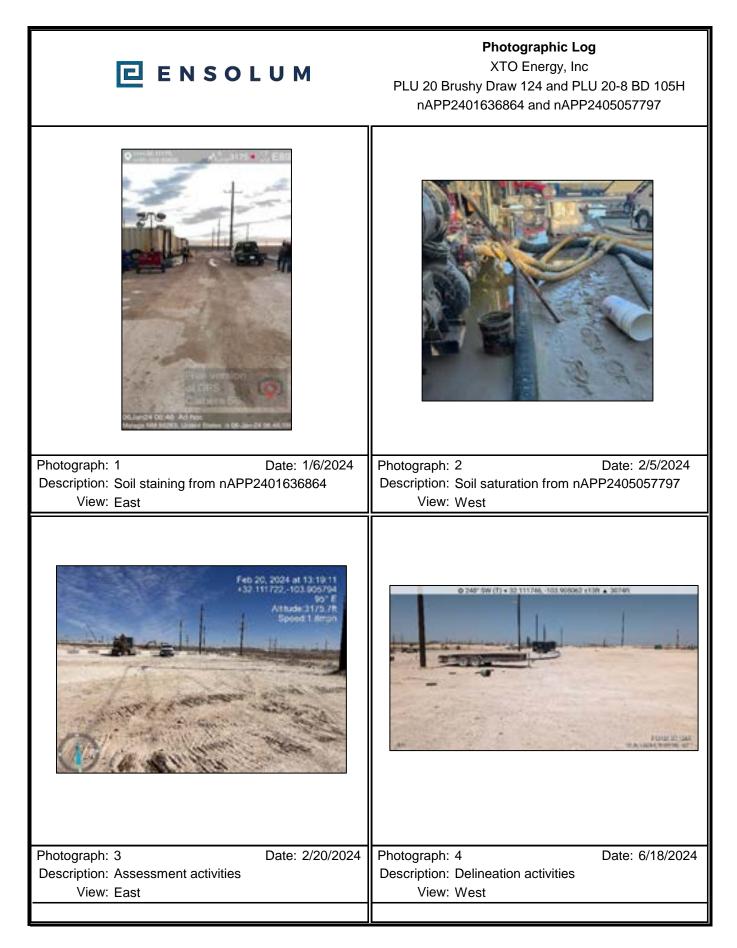
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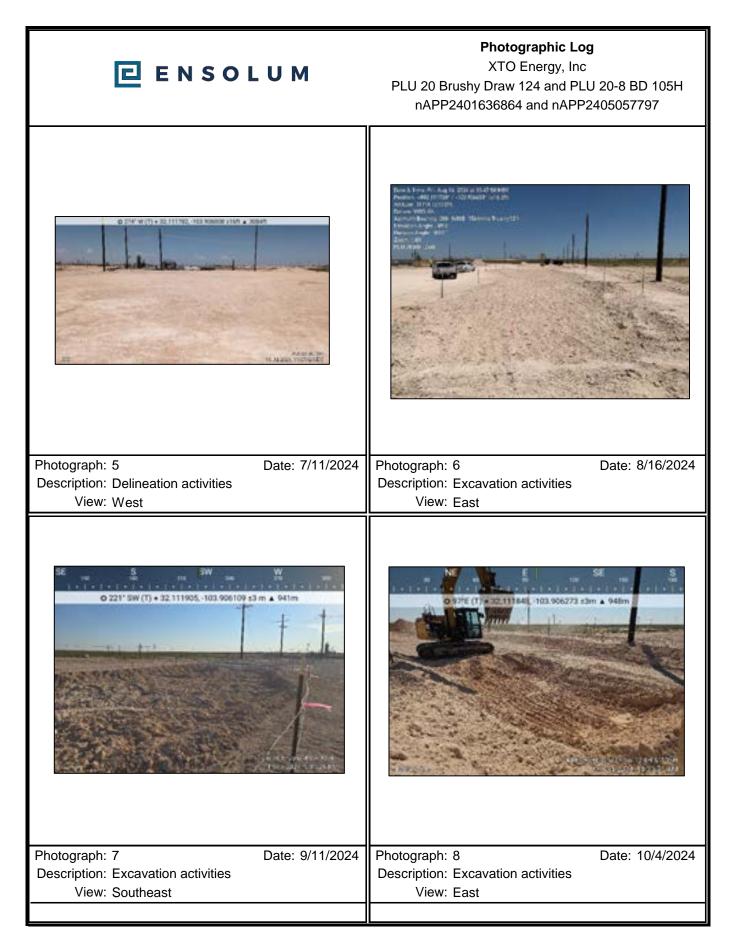


APPENDIX C

Photographic Log

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APPENDIX D

Lithologic Soil Sampling Logs

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								Sample Name: SS03	Date: 7/12/2024
-								Site Name: PLU 20 Brushy Draw 1	
			N	5	U	LU	M		
LITHOLOGIC / SOIL SAMPLING LOG						Job Number: 03C1558318			
Coordinates: 32.111752, -103.905537					SAIVIPLING	Logged By: JDB	Method: Hand Auger Total Depth: 2'		
						la rida Taat (Hole Diameter: 4" PID for chloride and vapor, respec	
								on factor was included.	tively. Chionde test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
					1	0	CCHE	(0-2') CALICHE, beige, poor	ly graded, no odor
D	2,313	0	Ν	SS03	0.5	+			
М	2,850	2	Ν		1	1		(@1') some poorly graded s	sand with silt, trace clay
М	196	2.3	N	SS03B	2	_ 2 Total dep	th @ 2	foot bac	
						Total dep	un @ z	leet bgs	
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								Sample Name: SS04	Date: 7/12/2024
1								Site Name: PLU 20 Brushy Draw	
			N	5	U	LU	M		
							Incident Numbers: nAPP2401636864 and nAPP2405057797 Job Number: 03C1558318		
LITHOLOGIC / SOIL SAMPLING LOG									
Coordinates: 32.111780, -103.905976						Logged By: JDB Hole Diameter: 4"	Method: Hand Auger Total Depth: 3'		
Coordinates: 32.111780, -103.905976 Comments: Field screening conducted with HACH Chloride Test Strips and						Strins and			
								on factor was included.	cervery. emonue test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	
					1	0		(0-3') CALICHE, beige, poo	rly graded, no odor
D	1,760	0	Ν	SS04	0.5				
		0	NI		1	- 1		(@1') come neerly graded	cond with silt trace day
Μ	4,631	0	Ν			_ 1		(@1') some poorly graded	Sand with Silt, trace clay
м	2,475	0	N		2	2		(@2') little clay	
					-	+			
м	431.2	0	Ν	SS04C	3	3			
	7J1.2	U	11	55040	5_	L 3 Total dep	oth @ 3	feet bgs	
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								Sample Name: SS14	Date: 7/12/2024
	-							Site Name: PLU 20 Brushy Draw 12	
	-		N	5	\mathbf{O}	LU	M		
				-	-				
			0614					Job Number: 03C1558318	
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: JDB Hole Diameter: 4"	Method: Hand Auger Total Depth: 2'		
Coordinates: 32.111729, -103.906555						`trinc and			
Comments: Field screening conducted with HACH Chloride Test Strips and I performed with 1:4 dilution factor of soil to distilled water. A 40% correction							ively. Chionae test		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	
					I	0	CCHE	(0-2') CALICHE, beige, poorly	y graded, no odor
D	800	0	Ν	SS14	0.5	L			
N 4	<162.4	0	NI	CC14A	1			(@1') come neerly graded c	and with cilt trace clay
Μ	<102.4	0	Ν	SS14A		_ 1		(@1') some poorly graded s	and with silt, trace cidy
					-	L			
М	<162.4	0	Ν		2	2		(@2') little clay	
k İ					-	L 2 Total dep	oth @ 2	feet bgs	
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Appendix E

Disposal Manifests

Puge 42 of 251		L Landfill Services, LLC DBA Hambern Detoware Basin Landfil 189 Maple Ave. Suite 300 Dallas, TX 75219 505.231.1212 ar@ndblandfill.com	COMPANY MAN SIGNATURE: COMPANY MAN COMPANY MAN	EMAIL: (12) 23	MANIFEST # 0355832
	COMPANY NAME:	U- PIELE USISSY	518	DATE:	13/05/24
	LEASE: The last A	HAS DEPUNCTORAL	1.46	PHONE:	
	AFER: CONTRACTOR	CON API: 30-	115 - 511	QUANTITY:	BBLS
	RIG NAME	U 20 60 WELL #:	12414	<u></u>	2.
	STATE & COUNTY ORIGI	N: 4 alethy			VARDS
	Waste Description (che	rck only one box)	RCRA Exer	npt	RCRA Non-Exempt
5	Water Based Cuttings (D	RY) 🔲 Water Based Cuttin	Igs (WET)	Contaminated Soil	Produced Sands
te	Oil Based Cuttings (DRY) Oil Based Cuttings	(WICT)	🔲 Injectable Fluids	Non-Injectable Fluids
a a	Oil Base Mud	Water Base Mud		Muds w/Cement	Tank Bottoms
Generator	Rig Trash	Pit Liners		Authorize Washout?	Ves D-No
1	Other:		and the second		A LOOP AND A LOOP AND A THE REAL PROPERTY OF A DESCRIPTION OF A DESCRIPTIO
Ŧ	is (Check the appropriate classificatio	Historium Conservation and Neuwary Act UKB Inf	Al and the US Environme	Intal Protection Agency's Avy 1988	regulatory determination, the above described waite lead
Part	D RCRA DOLMIPTI	Oilfield wastes generated from oil and ga certifications on a per load basis only!	s exploration and prod	luction operations and are not en	ked with non-compt waste (NDBL Accepts-
1995	D ROTA NON-DOOMPT:	Oilfield waste which is non-hazardous the regulations, 40 CFR 201.21-201.24, or liste	d hazandous waste as	defined by 40 CFR, part 261, subp	andous by characteristics established in RCRA art D, as amended. The following documentation
		SOS Information CI RCRA Hazardo	da in attached. (Check) daus Waste Analysis	 CONSIGNATION CONTRACTOR 	1) El Other Provide Description Below)
			111		
	C) EMERGENCY NON-OILFIELD	Emergency non-hazardous, non-oilfaild v waste determination and a description of			c Safety Ohe ordes, documentation of eon-hazardous
	Chieff Authorized Agent's Name		Daie	lupation -	
		TO DE COMOLETED DU THE YOU			
ter		TO BE COMPLETED BY THE TRA	Section 1	100000	
	COMPANY NAME	Sede 1 con upo	YARD P:	WHP #:	TRUCK #:
ds	ADDRESS:		DISPATCHER	ROLL OFF BI	N#: TRAILER #: 17.97
Transpor			NAME		DISPATCHER PHONE #:
Ë,		following statement must be sign			
	"I CERTIFY THAT NO OTI	HER MATERIAL HAS BEEN PLACED	IN THIS VESSEL :	SINCE LOADING OF MATE	RIAL DESCRIBED IN PART 1 ABOVE."
Part 2	DRIVER:	the in the state	<u> </u>	RIVER'S SIGNATURE	adait
Å	L (TRANSPORTER).	(Driver's Name Printed) CERTIFY THAT THE INFORMATION GR	IN ON THIS MANI	EST IS TRUE AND ACCURATE	TO THE BEST OF MY KNOWLEDGE
		TO BE COMPLE	TED BY OWLLA	NDFILL EMPLOYEES	
	the state of the second second second	server and the server of the server serve	DATE 915	And the State of Sold State of State of States	17 7 AM/PM
S:16 AM Facility	FACILITY RECEIVED AT (Chec	k Oneji	DAILS		AM (PM)
16.	Northern Delaware Ba			WASHOUT BY:	
	2029 W. NM Highway 1	28 Jal, New Mexico 88252		WASHOUT: TIME	IN TIME OUT
55 7 15 al					and the second se
202 PO	ACCEPTANCE TESTING: PAI		NORM	Shake Out.	- 10,291
1/23/2025 7:25:16 AM Disposal Facility	TCI TO		TESTING:	H,0 1 2	1 CALDON 1
	SERVICE NOTES:		Less than 50	S ISTA	Gallon Test:
0CT T m	This is to certify that:	- Klannan	MCR)	in received the above indicated ever	te, wante has passed all acceptances testing of this
d by Oc	and the second	Employee (Printed Name)			and of in an outhorized manner at a premitted site.
Received by OCD: Part 3 -	EMPLOYEE SIGNATURE:				
5		White Copy: Disposal Facility	Yellow: Tran	sporter Pink: Generat	of

Page 43 of 251	COMPANY NAME:	andfill Services, LLC Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 @ndblandfill.com	COMPANY MAN		MANIFEST # 0351728					
	LEASE: PTO ZO 5 D PHONE: 278-352-3289									
	AFE #: API: 30:015-53247 QUANTITY: DBLS RIG NAME: WELL #: 12.9 H									
	STATE & COUNTY ORIGIN: _									
1	Waste Description (check o	CONTRACTOR OF CONTRACTOR OF CONTRACTOR	RCRA Exemp		RA Non-Exempt					
Generator	Water Based Cuttings (DRY) OI Based Cuttings (DRY) OI Base Mud Rig Trash	Water Based Cuttings (OII Based Cuttings (Water Base Mud Pit Liners	WET) D	Contaminated Soil Injectable Fluids Muds w/Coment	Produced Sands Non-Injectable Fluids Tank Bottoms					
ę	Other:			uthorize Washout?	Yes No					
Part 1	It ICheck the appropriate datafication) ETTICINA EXEMPT: Oil	rie Conservation and Recovery Act (RCRA) Isid wastes generated from of and gas oficiations on a per load basis only?			tory determination, the show described waite load					
	teg den	utations, 40 CFR 361.31-361.34, or listed nonstrating the waste as non-hazardou	I hazandous waste as defined waste as defined with the second sec	hed by 40 CFR, part 261, subpart D appropriate items as provided)	us by characteristics established in RCRA at amended. The following documentation her (Provide Description Below)					
	was	te determination and a description of t			ty (the order, documentation of non-hazardous					
	(Print) Authorized Agent's Name ;		Date							
	A REAL PROPERTY AND A REAL	D BE COMPLETED BY THE TRAI	CONTRACTOR DESCRIPTION OF	CARGE STREET, SALES	the second s					
rter	T	CARLO COMPLEX PROVIDE A STATE	CONTRACTOR DESCRIPTION OF	CARGE STREET, SALES	the second s					
	T	D BE COMPLETED BY THE TRA	NSPORTER WHILE T	HE GENERATOR IS PRESEN	TRUCK #:					
	COMPANY NAMEL <u>SOM</u> ADDRESS: DATE TIME	D BE COMPLETED BY THE TRAI	VARD #: TICKET #: DISPATCHER	HE GENERATOR IS PRESEN	TRUCK #: TRAILER #: DISPATCHER					
	COMPANY NAME: <u>5000</u> ADDRESS: DATE TIME RECEIVED: RECE		NSPORTER WHILE T YARD #: TICKET #: DISPATCHER NAME:	HE GENERATOR IS PRESEN	TRUCK #: TRAILER #: DISPATCHER PHONE #:					
- Transpor	COMPANY NAME	IVED: AM CX	NSPORTER WHILE T YARD #: TICKET #I DISPATCHER NAME: IN THIS VESSEL SIN	WHP #: ROLL OFF BIN#: ROLL OFF BIN#: r prior to unloading at disp CE LOADING OF MATERIA	TRUCK #: TRAILER #: DISPATCHER PHONE #:					
Transpor	COMPANY NAMEL SCM ADDRESS:	DECOMPLETED BY THE TRAI	NSPORTER WHILE T YARD #: DISPATCHER NAME: IN THIS VESSEL SIN DRIV	HE GENERATOR IS PRESEN	T TRUCK #: TRAILER #: DISPATCHER PHONE #: Hosal facility: DESCRIBED IN PART 1 ABOVE."					
- Transpor	COMPANY NAMEL SCM ADDRESS:	DECOMPLETED BY THE TRAI	NSPORTER WHILE T YARD #: DISPATCHER NAME: IN THIS VESSEL SIN DRIV CN ON THIS MANIFES	HE GENERATOR IS PRESEN	T TRUCK #: TRAILER #: DISPATCHER PHONE #: Hosal facility: DESCRIBED IN PART 1 ABOVE."					
- Transpor	COMPANY NAME <u>SOM</u> ADDRESS: <u>TIME</u> DATE TIME RECEIVED: <u>The follo</u> 'I CERTIFY THAT NO OTHER I DRIVER: <u>Makov</u> K	DECOMPLETED BY THE TRAI	NSPORTER WHILE T YARD #: TICKET #: DISPATCHER NAME: Id by the truck drive IN THIS VESSEL SIN DRIV ON THIS MANIFEST TED BY OWL LAND	HE GENERATOR IS PRESEN	T TRUCK #: TRAILER #: DISPATCHER PHONE #: TRAILER #: DISPATCHER PHONE #: TRAILER #:					
y Part 2 - Transpor	COMPANY NAMEL SCM ADDRESS:	DECOMPLETED BY THE TRAI	NSPORTER WHILE T YARD #: DISPATCHER NAME: IN THIS VESSEL SIN DRIV CN ON THIS MANIFES	HE GENERATOR IS PRESEN	T TRUCK #: TRAILER #: DISPATCHER PHONE #: TRAILER #: DISPATCHER PHONE #: TRAILER #:					
y Part 2 - Transpor	COMPANY NAME <u>SOM</u> ADDRESS: <u>TIME</u> DATE TIME RECEIVED: <u>The follo</u> 'I CERTIFY THAT NO OTHER I DRIVER: <u>Makov</u> K	DECOMPLETED BY THE TRAI	NSPORTER WHILE T YARD #: TICKET #I DISPATCHER NAME: ID by the truck drive IN THIS VESSEL SIN DRIV ON THIS MANIFEST TED BY OWL LAND DATE: V	HE GENERATOR IS PRESEN	T TRUCK #: TRAILER #: DISPATCHER PHONE #: TRAILER #: DISPATCHER PHONE #: TRAILER #:					
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Page 44 of 25.	OWL Landfill Se		AN Dille Hand Pressed Party and Patter	MANIFEST #
e 44	BBA Northern Delawar 8201 Preston Ro		Consideration of Street, Locality and and and	
Pag	Dallas, TX	75225 COMPANY M	AN EMAIL:	0351730
	214.292.: ar⊚ndbland		AN PHONE	
				\subseteq
100	COMPANY NAME: X / C	1	DATE: 2///2	2.9
	LEASE / V 20	BD	PHONE:	51-3789
	AFE #: AF	BO-015-5324	QUANTITY:	BBLS
	RIG NAME:	WELL #: 124	E 77	
	STATE & COUNTY ORIGIN:			YARDS
1.55	Waste Description (check only one bo	xx) 🔲 RCRA E	empt 🔲 RCRA /	Non-Exempt
Generator	Water Based Cuttings (DRY)	Water Based Cuttings (WET)	Contaminated Soil	Produced Sands
Te		Oil Based Cuttings (WET)	1 injectable Fluids	Non-Injectable Fluids
a di	Construction of the second	Water Base Mud	Muds w/Cement	Tank Bottoms
	RigTrash Other	Pit Liners	Authorize Washout?	Yes INO
-	Thereby certify that according to the Resource Conservation	n and Recovery Act (RCRA) and the US Enviro	nmental Protection Agency's July 1988 regulatory de	nermination, the above described waite load
Part	is (Osek the appropriate classification) D RCRA EXEMPT: Difficiel wastes get	weated from all and pay production and r	roduction operations and are not mixed with ne	o married married (NDBL Assessme
ď		per load basis only)		
			the minimum standards for waste hazardous by as defined by 40 CFR, part 261, subpart D, as an	
	demonstrating the	waste as non-hazandous is attached. (Che	ick the appropriate items as provided)	
	E SDS Information	n 📋 RCRA Hazardous Warte Analys	i 📄 Process Knowledge 📋 Other Pr	ovide Description Below)
	and the second state of the second state	and a start of the second s	and the set of the set	
		on and a description of that waste must a	ordered by the Department of Public Safety (the company this form)	ronder, documentation of non-hazardous
				order, documentation of non-hazardous
	waste determinati (Print) Authorized Agent's Name	on and a description of that waste must a	company this form) Signature	order, documentation of non-hazerdous
ter	waste determination Automated Agent's Name	on and a description of that waite must a Date	Company this form) Signature HILE THE GENERATOR IS PRESENT	
orter	COMPANY NAME:	Date Date Date Date LETED BY THE TRANSPORTER W X VARD #:	HILE THE GENERATOR IS PRESENT	твиск #: _//
	COMPANY NAME:	On and a description of that waste must a Oute	HILE THE GENERATOR IS PRESENT WHP #: ROLL OFF BIN#:	твиск #: _//
	COMPANY NAME:	Date Date Date Date Date Date Date Date DARD #: TICKET #: AM DISPATCHE! PM NAME:	HILE THE GENERATOR IS PRESENT HILE THE GENERATOR IS PRESENT WHP #; ROLL OFF BIN#; R DI PH	TRUCK #:
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- Transpor	Waste determination Printl Autorities Agent's Barris TO BE COMPANY COMPANY NAME:	Date Oute ute	HILE THE GENERATOR IS PRESENT HILE THE GENERATOR IS PRESENT WHP #; ROLL OFF BIN#; R OR R OFF BIN#; R OR R OFF BIN#; R OR R CONTENT OF CONTINUES OF MATERIAL DEST	TRUCK #:
- Transpor	Waste determination Printl Authorized Agent's Barns TO BE COMPANY COMPANY NAME:	Date	HILE THE GENERATOR IS PRESENT HILE THE GENERATOR IS PRESENT WHP #; ROLL OFF BIN#: ROLL OFF BIN#: R DR ORIVER'S SIGNATURE: DRIVER'S SIGNATURE:	TRUCK #: _//
	Waste determination Printl Authorized Agent's Barns TO BE COMPANY COMPANY NAME:	Oute ute	International Second S	TRUCK #: _//
- Transpor	Waste determination Printl Authorized Agent's Barns TO BE COMPANY COMPANY NAME:	Date	International Second S	TRUCK #: _//
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/ Part 2 - Transpor	Waste determination Printl Authorized Agent's Barris TO BE COMPANY COMPANY NAME:	Difference of the water must a Difference of the water must a Difference of the water must a Difference of the transformer water of the transformer water of the transformer of the t	International Second S	TRUCK #: _//
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Page 45 of 251	COMPANY MAR COMPANY MAR	O 205374
Part 1 - Generator	Certifications on a per load basis only RCRA NON-EXEMPT Official waste which is non-hazardous that does not exceed the regulations, 40 CFB 251 21-26 1.24, or listed hazardous waste as demonstrating the waste as non-hazardous is attached. ICheck SOS Information RCRA Hazardous Waste Analysis Emergency non-hazardous, non-utilited waste that has been on waste determination and a description of that waste must account	
orter		
- Transpo	ADDRESS:TICKET #: DATETIMEAM DISPATCHER RECEIVED:PM NAME:	ROLL OFF BIN#: TRAILER #: #2.3/9 DISPATCHER PHONE #:
Part 2 - T	The following statement must be signed by the truck d "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL I ORIVER:	SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
-	TO BE COMPLETED BY OWL LA	NDFILL EMPLOYEES
7:25:16 AM sal Facility	FACILITY RECEIVED AT (Check One): DATE: Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252	TIME IN: AM / PM TIME OUT: AM / PM WASHOUT IN: TIME OUT:
Received by OCD: 1/23/2025 7:25 Part 3 - Disposal	ACCEPTANCE TESTING: PAINT FILTEJE PASS FAIL N/A NORM TCLP: PASS FAIL N/A TESTING: TOX: PASS FAIL N/A TESTING: Cless than 10 Cless than 10	H ₂ 0 H ₂ 0
d by OCD: Part 3	This is to certify that:	5 Gallon Test:
Receive	White Copy: Disposal Facility Yellow: Tran	sporter Pink: Generator

Page 46 of 25		L Landfill Services, 89 Maple Ave. Suite 3 Dallas, TX 75219 505.231.1212 ar@ndblandfill.com		Notificited Agents Neded Nume and Nee	MANIFEST # 0355826						
-	COMPANY NAME:	LTO- Distin 63 C	55 8318	DATE:X3	124						
	LEASE: The disting	000240143684	4	PHONE:							
	AFE #: CL 16621101	U API:3	0- 415-5142	QUANTITY:	BBLS						
	RIG NAME: PLU 23 BD WELL # 124 m										
	STATE & COUNTY ORIGI	6.15		_	VARDS						
	Waste Description (che	ck only one box)	RCRA Exe	mpt / RCRA	Non-Exempt						
ò	Water Based Cuttings (D	RY) 🔲 Water Bas	ed Cuttings (WET)	Contaminated Soll	Produced Sands						
Generator	Oil Based Cuttings (DRY)	Oil Based	Cuttings (WET)	🔲 Injectable fluids	Non-injectable Fluids						
Be	Oil Base Mud	Water Base	e Mud	Muds w/Cement	Tank Bottoms						
g	Big Trash	D Pittiners		Authorize Washout?	Yes PINO						
-	Other:	Internet Conternation and Income	Act (III) BAL and the LIS foregroup		determination, the stane described wave hand						
Part	ts (Check the appropriate classificatio	1									
B	D ACRA EXEMPT:	Collield wastes generated from cortifications on a per load basi		duction operations and are not mixed with i	non-exempt waste (NOBL Accepts						
	D PCRA NON-EXEMPTI	Official waste which is non-haz-	ardinus that does not exceed the	e minimum standards for waste hazardous b defined by 40 CFR, part 261, subpart D, as a	y characteristics established in IICIA						
				the appropriate iteres as provided)	entralez, intercenting dat prismatopri						
	the second second	D SDS Information D RC	RA Hazardous Waste Analysis	El Process Knowledge El Other I	Provide Description Below)						
	E EMERGENCY NON-OILFIELD			dered by the Department of Public Safety ()	he order, documentation of non-hazardous						
		waste determination and a desc	clutters of that waste must acce								
	(Print) Authorized Agent's Norme	and the second sec		Signature							
ter			THE TRANSPORTER WHI	LE THE GENERATOR IS PRESENT							
and the second se	COMPANY NAME	No Ico Mes	YARD #:	WHP #:	TRUCK #:						
ä	ADDRESS:		TICKET #1		TRAILER #: 259						
Transpol					NSPATCHER HONE #:						
	The	following statement must	be signed by the truck o	lriver prior to unloading at dispose	d facility:						
à	"I CERTIFY THAT NO OTH			SINCE LOADING OF MATERIAL DI	ESCRIBED IN PART 1 ABOVE?						
Part	DRIVER:	All in 11 her	(DRIVER'S SIGNATURE:	un l'aut						
à	I, (TRANSPORTER),	Driver's Name Printed) CERTIFY THAT THE INFORMA	TION GIVEN ON THIS MAN	FEST IS TRUE AND ACCURATE TO THE	BEST OF MY KNOWLEDGE						
		TO BE	COMPLETED BY OWL LA	NDFILL EMPLOYEES							
	FACILITY RECEIVED AT (Check	k One)	DATE:	2 21/ TIMPING -	AMTPM						
55:16 AM Facility			LITTI LI	TIME OUT:							
adi 16	Northern Delaware Bas		100	WASHOUT BY							
	2029 W. NM Fighway I	28 Jal, New Mexico 882	DR)	WASHOUT TIME IN	TIME OUT						
1/23/2025 7:25:16 AM Disposal Facility	ACCEPTANCE TESTING: PAIL	NT FILTER PASS FAIL	N/A NORM	Shake Out							
3/2(TCL		THE REPORT OF A DESCRIPTION OF A DESCRIP	1 2 3	265427						
2ia	TO		N/A	HOMA							
ä.	SERVICE NOTES:		(Less than 50 MCI0	s	Gallon Test:						
d by O	This is to certify that:	Jimployee Drinted		as received the above indicated waste, waste							
Received by OCD: Part 3 -	EMPLOYEE SIGNATURE:	and the	map .	ncility and the waste has been disposed of in a	e associated manner of a permitted site.						
ceiv	CONTRACTOR PROPERTY OFFICE	White Copy Disposa	Facility Yellow: Tra	nsporter Pink: Generator							
Re											

Page 47 of 25.	OWL Landfill Services, LL OWL Landfill Services, LL OWL territorie Determine Determine Landfill 8201 Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com			MANIFEST # 0325375						
t 1 - Generator	COMPANY NAME: 350 - 0075151 0351557 LEASE: Los door nAPE 24 0143 5 457 AFE #: Collect 21 001 API: 3.0- RIG NAME: 000 API: 3.0- RIG NAME: 000 API: 3.0- RIG NAME: 000 API: 3.0- Water Based Cuttings (DRY) 001 Based Cut	4 C) 15 - 53 3.4.2 L #: 1 2.4.11 RCRA Exem) Cuttings (WET) tings (WET) ud	PHONE:	BBLS A Non-Exempt Produced Sands Non-Injectable Fluids Tank Bottoms Yes No						
Part	Certifications on a per load basis on D RCRA NON-EXEMPTI Offield waste which is non-fuaranto regulations, 40 CFR 261 21-251 24, o demonstrating the waste as non-fua D SOS Information	by) was shat does not exceed the mi or heted hazardous waste as def wardous is attached. (Check the Hazardous Waste Analysis Reld waste that has been order	Process Knowledge Other red by the Department of Public Safety (sany this form)	er characteristics established in IICBA						
				and the second division of the second divisio						
rter			THE GENERATOR IS PRESENT	E F						
	COMPANY NAME DEAL TEN / PAL		WHP #1							
Transpo	ADDRESS: AM	DISPATCHER		TRAILER #: 02287						
E	RECEIVED: RECEIVED: PM			ADFORICIPER						
	The following statement must be signed by the truck driver prior to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."									
100	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLA ORIVER:	signed by the truck driv ACED IN THIS VESSEL SI	er prior to unloading at dispose	HONE #:						
Part 2 - T	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLA	signed by the truck driv ACED IN THIS VESSEL SIN	ver <u>prior</u> to unloading at dispose NCE LOADING OF MATERIAL DI IVER'S SIGNATURE	HONE #: Il facility: ESCRIBED IN PART 1 ABOVE? Cealer Mus						
100	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLA ORIVER: Driver's Name Printed L (TRANSPORTER), CERTIFY THAT THE INFORMATION	signed by the truck driv ACED IN THIS VESSEL SIN DRI N GIVEN ON THIS MANIFES	er prior to unloading at dispose NCE LOADING OF MATERIAL DI IVER'S SIGNATURE ST IS TRUE AND ACCURATE TO THE	HONE #: Il facility: ESCRIBED IN PART 1 ABOVE? Cealer Mus						
y Part 2 -	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLA ORIVER: (Driver): Name Printed) L (TRANSPORTER), CERTIFY THAT THE INFORMATION TO BE COM FACILITY RECEIVED AT (Check One):	signed by the truck driv ACED IN THIS VESSEL SIN	Ver prior to unloading at dispose NCE LOADING OF MATERIAL DI IVER'S SIGNATURE: ST IS TRUE AND ACCURATE TO THE SFILL EMPLOYEES TIME IN:	HONE #: Il facility: ESCRIBED IN PART 1 ABOVE? Cealer Mus						
7:25:16 AM al Facility Part 2 -	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLA ORIVER: DRIVER: L (TRANSPORTER), CERTIFY THAT THE INFORMATION TO BE COM	signed by the truck driv ACED IN THIS VESSEL SIN DRI IN GIVEN ON THIS MANIFES MPLETED BY OWL LAND DATE	Ver prior to unloading at dispose NCE LOADING OF MATERIAL DI IVER'S SIGNATURE: ST IS TRUE AND ACCURATE TO THE STILL EMPLOYEES TIME IN:	HONE 8: Alfacility: ESCRIBED IN PART 1 ABOVE! ALEAN MUS BEST OF MY KNOWLEDGE						
1/23/2025 7:25:16 AM Disposal Facility Part 2 -	CRIVER: RIVER: CRIVER:	A NORM	Are prior to unloading at dispose NCE LOADING OF MATERIAL DI IVER'S SIGNATURE ST IS TRUE AND ACCURATE TO THE STILL EMPLOYEES TIME IN:	HONE #:						
1/23/2025 7:25:16 AM Disposal Facility Part 2 -	CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLA ORIVER ORIVER CONVERS CONVERSION	A NORM	Ver prior to unloading at dispose NCE LOADING OF MATERIAL DI IVER'S SIGNATURE: ST IS TRUE AND ACCURATE TO THE STILL EMPLOYEES TIME IN: TIME OUT: WASHOUT BY: WASHOUT: TIME IN: Shake Out: 1 2 3	HONE #:						
- Disposal Facility Part 2 -	CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLA ORIVER ORIVER CONVERS CONVERSION	A NORM A LESSING A MORM	Are prior to unloading at dispose NCE LOADING OF MATERIAL DI IVER'S SIGNATURE ST IS TRUE AND ACCURATE TO THE STILL EMPLOYEES TIME IN:	HONE 8: Alfacility: ESCRIBED IN PART 1 ABOVE: AM/PM BEST OF MY KNOWLEDGE TIME OUT: 208377 Gallon Test: has powerfall acceptances bearing of this						

Page 48 of 251	OWL Landfill Services, LLC Disk Northern Oblawyres Baste Landfill Sa89 Maple Ave, Suite 300 Dallas, TX 75219 S05.231.1212 ar@ndblandfill.com OMPANY MAN EMARL: OMPANY MAN PHONE: OMPANY
	COMPANY NAME 116 - (1-01 030155 83 18 DATE: 08/04 1-4
	LEASE To but NAMPING 1636904 PHONE:
	AFE #: (146312 (14) API: 34-615-53242 QUANTITY: BBLS
	RIG NAME: PLU 24 R.D. WELL #: 124/H 20
	STATE & COUNTY ORIGINI
116	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
Generator	Water Based Cuttings (DRY) UNV Water Based Cuttings (WET) Contaminated Soil Produced Sands
ETa .	Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids
eu	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms
Ğ	Rig Trash Pit Uners Authorize Washout? Yes No
4	Thereby sently that according to the Reserver Conservation and Receivery Act (RCRA) and the US Environmental Protection Agency's July FRM regulatory determination, the above described westerload
Part	in scherk the appropriate classification
Pa	Cliffeld wastes generated from oil and gas exploration and production operations and are not mixed with new-exempt waste 0408L Accepts certifications on a per load basis only!
	CE RCRA NON-EXEMPTI Ditfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in BCRA regulations. 40 CFR 261 21-261 24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation
	demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
	🗅 SOS Information 🛛 RCIA Hazardous Waste Analysis 📄 Process Knowledge 🔲 Other (Privide Description Below)
	Emergency non-hazardous, non-altered waste that has been endered by the Department of Public Safety (the onler, documentation of non-hazardous
	weste determination and a description of that weste must accompany this form) Intel Automod Agent's Name
ter	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
	COMPANY NAME: TRUCK #: RUCK #: TRUCK #:
ĕ	ADDRESS: TICKET #: ROLL OFF BIN#: TRAILER #: C22 XY
Transpor	DATE TIME AM DISPATCHER DISPATCHER RECEIVED: RECEIVED: PM NAME PHONE #:
	The following statement must be signed by the truck driver prior to unloading at disposal facility:
à	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
Part 2	DRIVER: DRIVER'S SIGNATURE: CARLELING
à	Diver's Name Printed) I. (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
-	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
	FACILITY RECEIVED AT (Check One): DATE: 9/9/9/ TIME IN: 12 27 AM / PM
W	TIME OUT: AM / PM
:16 a ci	Northern Delaware Basin Landfill WASHOUT BY:
1 F	2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME IN:TIME OUT:
1/23/2025 7:25:16 AM Disposal Facility	
3/2(ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A. NORM Shake Out:
20	TOX: PASS FAIL N/A H,O
8m	SERVICE NOTES: 5 Gallon Test:
Part	This is to certify that: has received the above indicated wante, wante has passed all accentances testing of this
Received by OCD: Part 3 -	Running and the worder has been disposed of an an outhorized manner at a permitted the.
ceiv	EMPLOYEE SIGNATURE:

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OMPANY NAME: EASE: FE #: IG NAME: TATE & COUNTY ORIGIN Waste Description (chec	20 BO	1.00m	1 15 -53 2 47	DATE: PHONE:		114	
EASE: FE #: IG NAME: TATE & COUNTY ORIGIN Waste Description (chec	1:001 API: 2:0: B:0 4:	- 7104 - 7104 W	1 15 -53 2 47	PHONE:	sill or	124	
FE #: <u>CC 1 GE2 1</u> IG NAME: <u>PLS</u> TATE & COUNTY ORIGIN Waste Description (chec	1:001 API: 2:0: B:0 4:	300-0	5 -53247	Provide State Stat	- A Charles	- 11 - T	
IG NAME:PL TATE & COUNTY ORIGIN Waste Description (chec	20 BO		Contraction of the second second	CHURALITITIC			
TATE & COUNTY ORIGIN Waste Description (cheo	4:	WELL #: _	10000	MUMMITI		- 🗆 0	81.5
Waste Description (chee			<u>[] M</u> -	EF- gauge and	· .		
			and the same			- U-Y	ARDS
	k only one box)		RCRA Exe	mpt 🔲	RCRA Non-E	xempt	
hand the second second second second second		Ater Based Cuttin	and the second s	Contaminated Soll	and the second state of th	oduced Sanda	
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Oil Base Mud	D v	/ater Base Mud		Muds w/Cement	🗖 Та	ink Bottoms	
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					and the second se		
thereby certify that according to the A thereby certify that according to the A	o O	ut Recovery Act (BCIA	V and the US Environm	ental Protection Agency's July 1988	ingulatory determinal	ilitis, the above des	eriloed wette ise
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B RCRA NON-EXEMPTI	Oilfield waste which a regulations, 40 CFR 34	non-hazardous that 11.21-201.24, or lister	d harardown waste as	defined by 40 CFR, part 261, sub-	part D, as amended, 3	vistics establishes The following dos	f in RCRA umentation
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		-		ROLL OFF B	IN#:	TRAILER #:	42.99
	A COLORADO A			river releasion to unloading at			_
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G TRAMSFORTERS C	CALIFF INAL INC.	and the second second		and the second second second second	TO THE BEST OF	MY KNOWLED	an l
		TO BE COMPLE	TED BY OWL LA	NDFILL EMPLOYEES			
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horthern Delaware Raci	n Landfill			TIMEOU	D	AM7PM	
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			DE LE COMPANY	н,о			
RVICE NOTES:			(Less than 30 MCR)	s		Gallon Testr -	
is is to certify that:	Londowe	(Printed Internet			ste waste has passed	all acceptonces h	sting of this
	Endino 44	1 11 2	16.	offy and the waste has been dops	ned of in an outherize	id maximin at a per	mitted and
PLOYTE SIGNATURE:	16/7-11-1		Manual Anna				
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Page 50 of 25.	OWL Landfill Services, LLC Dital Interferen Delayere Base: Landfel Son Preston Rd., Suite 520 Dallas, TX 75225 COMPANY MAN EMAIL
	214.292.2011 ar@ndblandfil.com
	COMPANY NAME: XTO PILL 20 PD 10414 DATE 9-19.24
	LEASE: Mandad No and 2016 36 5 64 PHONE:
	AFE # Recycologicate / PAPI: So-010-53249 QUANTITY:
	VADOC
	STATE & COUNTY ORIGIN: Lea N.M.
-	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
- Generator	Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soll Produced Sands Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Non-injectable Fluids
E.	Oil Base Mud Water Base Mud Water Base Mud Muds w/Cement Tank Bottoms
5	Rig Trash Pit Liners
9	Authorize Washout? Yes No
1	I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)
Part 1	RCRA EXEMPTI Olifield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wasts (NDBL Accepts
a	certifications on a per load basis only)
	RCRA NON-EXEMPT: OEffeid waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation
	demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided) SD5 Information III RCRA Hazardous Waste Analysis III Process Knowledge III Other (Provide Description Below)
	EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Eafety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)
	print Authorized Against Hume AUTY KUTG Outy Herston
-	
ter	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
Ę	COMPANY NAME: TRUCK #: WHP #: TRUCK #:
ě	ADDRESS: TICKET #: ROLL OFF BIN#: TRAILER #: ROLL OFF BIN#: TRAILER #: ROLL OFF BIN#: TRAILER #: ROLL OFF BIN#: OLL OFF BIN#:
Transpor	DATE TIME AM DISPATCHER DISPATCHER DISPATCHER
jë,	The following statement must be signed by the truck driver prior to unloading at disposal facility:
N	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
Part 2	DRIVER: <u>Guetava Kuiz</u> DRIVER'S SIGNATURE: <u>Guetava</u>
ä	(Driver's Name Printed) L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
-	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
	FACILITY RECEIVED AT (Check One): DATE: DIG TIME IN: DIG AM / PM
AM	TIME OUT: AM / PM
7:25:16 AM al Facility	Northern Delaware Basin Landfill WASHOUT BY
7:2:	2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME IN: TIME OUT: S
1/23/2025 7: Disposal	
1/23/2025 Dispose	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A NORM Shake Out: 26500 S
10	TOX: PASS FAIL N/A H,O
<u>.</u>	SERVICE NOTES: (1) () () () () () () () () () () () () (
Part	This is to certify that: has received the above indicated waste, waste has passed all acceptances testing of the
Received by OCD: Part 3-1	FACILITY RECEIVED AT (Check One): DATE:
scei	White Copy: Disposal Facility Yellow: Transporter Pink: Generator
R	

Page 51 of 251	OWL Landfill Services, LLC Determine Determine Basin Landfill Services, LLC Determine Determine Basin Landfill Services Services Services Dallas, TX 75225 214.292.2011 ar@ndblandfill.com Services Service
	COMPANY NAME: XTO PLU 20 PD 194/14 DATE: DIF:
t1 - Generator	Water Based Cuttings (DifY) Water Based Cuttings (WET) Contaminated Soil Produced Sands Oil Based Cuttings (DifY) Oil Based Cuttings (WET) Injectable Fluids Non-injectable Fluids Non-injectable Fluids Water Base Mud Water Base Mud Water Base Mud Muds w/Cement Tank Bottoms Rig Trash Pit Liners Authorize Washout? Yes No
Part 1	RCRA EXEMPT: Olifield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NOBL Accepts certifications on a per load basis only) RCRA NON-EXEMPT: Olifield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NOBL Accepts certifications on a per load basis only) Olifield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 361.31-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subgart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided) SDS Information PRCRA Hazardous Waste Analysis Process Knowledge Other (Provide Description Below) Emergency non-hazardous, non-olifield waste that has been ordered by the Department of Public Safety the order, documentation of non-hazardous
orter	waste determination and a description of that waste must accompany this form) Profit Advantation and a description of that waste must accompany this form) TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME:
Part 2 - Transport	DATE TIME AM DISPATCHER DISPATCHER DISPATCHER PHONE #: 450/200000000000000000000000000000000000
	LITRANSPORTER), CENTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE TO BE COMPLETED BY OWL LANDFILL EMPLOYEES FACILITY RECEIVED AT (Check One): DATE: DATE: DA
Uisposal Facility	Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME IN: TIME OUT:
ġ.	ACCEPTANCE TESTING: PAINT FILTER PASS FAIL N/A TCLP: PASS FAIL N/A TOX: PASS FAIL N/A TOX: PASS FAIL N/A This is to certify that:
Received by OC	EMPLOYEE SIGNATURE:

Page 52 of 251	OWL Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Services, LLC DitA. Northern Delever flatin Landfill Services, LLC DitA. Northern Delever flatin Services, LLC Ser
Generator	ar@ndblandfill.com COMPANY MAN PHONE COMPANY NAME: XTO: PLU ZO RD IRGH LEASE: LEASE: DATE: 9-19-344 LEASE: LEASE: PHONE: PHONE: AFE #: DATE: 9-19-344 PHONE: STATE & COUNTY ORIGIN: DATE: 9-19-344 Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt Waste Based Cuttings (DRY) Waster Based Cuttings (WET) Injectable Fluids Non-injectable Fluids Oil Based Mud Water Base Mud Muds w/Censent Tank Bottoms
Part 1-G	Authorize Washout? Yes No Membry certify that according to the Resource Contentiation and Recovery Act (RCMA) and the US Environmental Potaction Agency's Ady 1988 regulatory determination, the above described waste lead in (Check the appropriate disablication) Otheric more contentiation and Recovery Act (RCMA) and the US Environmental Potaction Agency's Ady 1988 regulatory determination, the above described waste lead n. (Check the appropriate disablication) RCRA EXEMPT: Otheric more that additions on a per load basis only RCRA NON-EXEMPT: Otheric more hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR, basis does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR, basis does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulation, 40 CFR, basis does not exceed the appropriate items as provided) SDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide Description Below) SDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide Description Below) weste determination and a description of that waste must accompany this form) weste determination and a description of that waste must accompany this form)
Part 2 - Transporter	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME:
U23/2025 7:25:16 AM Disposal Facility	LITANSPORTERL, CERTURY THAT THE INFORMATION GIVEN ON THIS MANNEEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE TO BE COMPLETED BY OWL LANDFILL EMPLOYEES FACILITY RECEIVED AT (Check One) DATE: TIME IN: AM / PM Northern Delaware Basin Landfill DATE: MASHOUT BY: AM / PM 2029 W. NM Highway 128 [Jal, New Mexico 88252 DATE: WASHOUT BY: MADE OUT: TIME IN: TIME OUT: ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL NORMATION GIVEN ON THIS MANNEEST IS MADE OUT: TIME IN: TIME OUT: TIME OUT:<
Received by OCD: Part 3-1	SERVICE NOTESI This is to certify that: Control of the final of the fi

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Page 53 of 25.	OWL Landfill Services, LLC	COMPANY MAN A 171 Y RUTA (Authorized Agent's Fronted Name and Tota) MANIFEST #
Page	8201 Preston Rd., Suite 520 Dallas, TX 75225	SIGNATURE: 0343405
	214.292.2011	COMPANY MAN EMAIL
	ar@ndblandfill.com	COMPANY MAN PHONE
	COMPANY NAME: XTO	DATE: 8-19-29
	LEASE: PLU 20 BD194 H	PHONE:
	AFE # Rojec (10301558318 APL 30-016	-53242 QUANTITY: BBLS
	RIGNAME: Release: 1-6-202 Well .	C:166621100120 E YARDS
	STATE & COUNTY ORIGIN ACIDENTE APP240	1636664
1	Waste Description (check only one box)	RCRA Exempt RCRA Non-Exempt
- Generator	Water Based Cuttings (DRY) Water Based Cuttings Oil Based Cuttings (DRY) Oil Based Cuttings (DRY)	
erc	Oil Base Mud Oil Base Mud Water Base Mud	WET) Injectable Fluids Non-injectable Fluids
5	D Rig Trash	
9	Other:	Authorize Washout? 🔲 Yes 😰 No
-	Thereby certify that according to the Resource Conservation and Recovery Act (RCRA) to ICheck the appropriate classification)	and the US Environmental Protection Agency's July 1988 regulatory detarmination, the above described waste load
Part	D RCRA EXEMPT: Official wastes generated from oil and gas	exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts
•	Certifications on a periload basis only! E) RCRA NON-EXEMPT: Olifield waste which is non-happrobus that	does not exceed the minimum standards for waste hazardous by characteristics established in BCRA
	regulations, 40 CFR 261,31-361,34, or listed	I hexardous waste or defined by 40 CPR, part 261, subpart to a amended. The following documentation is attached. (Check the appropriate items as provided)
		ous Waste Analysis Process Knowledge Other (Provide Description Below)
	D EMERGENCY NON-OIL/TELD	site that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous
	wante determination and a description of t	
	Utino) Autoprized Agent's Stame	Color Bigrature
-	Exception and the second se	NSPORTER WHILE THE GENERATOR IS PRESENT
rter	COMPANY NAME: SOIN TEXMEX	YARD #: WHP #: TRUCK #:
Q.	ADDRESS:	TICKET #1 ROLL OFF BIN#: TRAILER #: 0309
Transpor	DATE TIME AM RECEIVED: PM	DISPATCHER NAME: WILLY WIELER PHONE # 412-209-0551
	The following statement must be signe	ed by the truck driver prior to unloading at disposal facility:
Part 2-		IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
The second	DRIVER: Corny Keiner	DRIVER'S SIGNATURE
0	(Driver's Name Printed) L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVI	EN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
100	TO BE COMPLE	TED BY OWL LANDFILL EMPLOYEES
XA	FACILITY RECEIVED AT (Check One):	DATE DIGIOC TIME IN: 000 AM/PM
7:25:16 AM al Facility		TIME OUT: AM / PM
SS:1	Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252	WASHOUT BY:
27:		WASHOUT: TIME IN: TIME OUT
202:	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A	NORM Shake Out
Uisposal	TCLP: PASS FAIL N/A	TESTING: 1 2 3 JOLE
D:]	TOXI PASS FAIL N/A	Less shan 50 H ₂ O
t 3	SERVICE NOTES: DALLAR	MCID Gallon Test:
Received by OCD: Part 3 -	Employee Ovinted Name)	facility and the waste has been dispond of in an authorized manner at a permitted site.
eive	EMPLOYEE SIGNATURE:	DATE: IME IN: GOOL AM / PM MASHOUT BY: MASHOUT BY: MASHOUT: TIME IN: TIME OUT: WASHOUT: TIME IN: TIME OUT: TIME OUT: NORM Shake Out: JLOSSO Horizan JLOSSO Gallon Text: Norm Horizan Gallon Text: Norm Norm Time outset has been disposed of in an outborized manner at a permitted jute Yellow: Transporter Pink: Generator
Rec	White Copy: Disposal Facility	Yellow: Transporter Pink: Generator

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Page 54 of 25.	OWL Landfill Services, LLC DAA Marithum Delaware Back Landfill Son Preston Rd., Suite 520 Dailas, TX 75225 214.292.2011 ar@indblandfill.com OWL Company Man Phone: OWDANY MAN Phone: OW
	COMPANY NAME: XTO DATE 8-19-24
	LEASE: PLUIDEDIJYH PHONE:
	AFE \$ QUANTITY: BBLS
	STATE & COUNTY ORIGIN / Leident APPJ 401636864
	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
Generator	Water Based Cuttings (DRV) Ukter Based Cuttings (WET) Contaminated Soli Produced Sands
E.	Oil Based Cuttings (DRV) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids
č	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms
	Authorize Washout? Yes Area
1	Thereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's Ady 1988 regulatory determination, the above described waste load
Part 1	In (Check the appropriate classification)
Pa	Official wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a periload basis only)
-	D RCRA NON-EXEMPT OUNERL waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA
	regulations, 40 CFR 261,21-261,24, or listed hazardous waste as defined by 40 CFR, part 261, subpart 0, as amended. The following documentation demonstrating the waste as non-hazardous is attached. Check the appropriate items as provided)
	🗅 SDS Information 📄 RCRA Hazardous Waste Analysis 📄 Process Knowledge 📄 Other (Provide Description Below)
	IMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)
	(Prort) Automated Agent's Name Date Name
and the second s	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
ter	
to	
<u>ē</u>	ADDRESS:TICKET #;ROLL OFF BIN# TRAILER #:C S/
Transpor	DATE TIME AM DISPATCHER DISPATCHER DISPATCHER PHONE #: -152-301-035
	The following statement must be signed by the truck driver prior to unloading at disposal facility:
ė	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
Part 2	DRIVER: COMY KRINGE ORVER'S SIGNATURE ORE COMMENT
å	Delver's Name Printed I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
-	
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
2 E	FACILITY RECEIVED AT (Check One): DATE: 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
7:25:16 AM	Northern Delaware Basia Landfill
Fa	2029 W. NM Highway 128 Lal, New Mexico 88252 WASHOUT BY
2.7	WASHOUT: TIME IN: TIME OUT:
1/23/2025 7: Disposal	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A NORM Shake Out:
23/ S	TOLP: PASS FAIL N/A TESTING: 1 2 3) (CL COC
1.0	TOX PASS FAIL N/A H30
Dm	SERVICE NOTES: // // // MOIO 2 Gallon fest:
Part	This is to certify that:
Received by OCD: Part 3 - [EMPLOYEE SIGNATURE
ecei	White Copy: Disposal Facility Yellow: Transporter Pink: Generator
R	

Page 55 of 251		Landfill Services, LLC DAA Monhem Datasase Basin LandM D1 Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com	COMPANY MAI SIGNATURE: COMPANY MAI	(Adharized Apple's Horized Hama	Sec. Phillips	ANIFEST #
	COMPANY NAME	XTO		DATE:	9-24	
	LEASE PLU20	negative destination of each sector in the sector is the s		PHONE:		
	AFE Projectios 15	1-6-2024 WELL #6	-53242	QUANTITY:		BBLS
	RIG NAME Release:	1-6-2024 WELL #5	C:1666311	001	20	
	STATE & COUNTY ORIGI	heidentin APP240K	36864			A YARDS
	Waste Description (che	A Designation of the local data in the local dat		mpt 🔲	RCRA Non-Exemp	
5	Water Based Cuttings (D	and the second		Contaminated Soil	Produced	
Generator	Oil Based Cuttings (DRY)		5. SAN 11	Injectable Fluids	and the second se	ctable Fluids
jā.	Oil Base Mud	Water Base Mud		Muds w/Cement	Tank Bott	
, a	🗖 Rig Trash	Pit Liners		Al and the second		
4	Other:			Authorize Washout?	head they had	No
5	Thereby certify that according to the In (Check the appropriate classification	Resource Contervation and Recovery Act (RCR/ s)	0 and the US Endnorm	ental Protection Agency's July 1988	regulatory determination, the	above described wante load
Part	D RCRA EXEMPT	Official wastes generated from oil and gas	exploration and pro-	luction operations and are not n	thed with non-exempt waste	NDBL Accepts
a.		certifications on a per load basis only) Official weste which is non-hazardous tha regulations, 40 CFR 261.21-261.24, or liste	t does not exceed the	minimum standards for waste h	asardous by characteristics e	stablished in RCRA
		demonstrating the waste as non-hazardor	is attached. (Check	the appropriate items as provide	d	
		505 Information D RCRA Hazard	lous Waste Analysis	Process Knowledge	C Other Provide Descriptio	n Below)
	EMERGENCY NON-OUTIELD	Emergency non-hazardous, non-oilfield w waste determination and a description of	aste that has been on that waste must acco	dered by the Department of Pub mpany this form)	Ic Safety (the order, docume	ntation of non-hazardous
	Print Authorited Agent's Name		Date	lignature _		
335	Anno Internet Maximum and the second	TO BE COMPLETED BY THE TRA	NSPORTER WHI	E THE GENERATOR IS PR	ESENT	
lêr	COMPANY NAME: SPA	Tex Mex				ke 59
5	ADDRESS:	the contract	TICKET #:	ROLL OFF B	11144	ER# 0309
윩	Contraction of the second s		DISPATCHER		DISPATCHER	A CONTRACTOR OF A
Transport		ECEIVED: DPM		illy Wieler	PHONE #:	12-204-0551
E.	The	following statement must be sign	ed by the truck d	river prior to unloading a	t disposal facility:	
	construction of the second second second	ER MATERIAL HAS BEEN PLACED			ERIAL DESCRIBED IN P	ART I ABOVE?
Part 2	DRIVER: CORDY	(COLUME) (Driver's Name Printed)	(PRIVER'S SIGNATURE	Dar 2	som at t
a.	I, (TRANSPORTER), O	ERTIFY THAT THE INFORMATION GIV	EN ON THIS MANU	EST IS TRUE AND ACCURAT	E TO THE BEST OF MY KN	OWLEDGE
-		TO BE COMPLE	TED BY OWL LA	NDFILL EMPLOYEES	10-10-00 No.	
25:16 AM Facility	FACILITY RECEIVED AT (Check	(One):	DATE: D	HAA TIME IN:		M / PM
0.16	Northern Delaware Bas	in Landfill		WASHOUT BY:		at / Par
	2029 W. NM Highway 1	28 Jal, New Mexico 88252		a second s	LIN: TIME	OUT:
. 1/23/2025 7: Disposal	ACCEPTANCE TESTING: PAIL TCL TOX	P: PASS FAIL N/A	NORM TESTING	Shake Out	· asi	150
Received by OCD:	SERVICE NOTES: This is to certify that:	Mysen	ALESS than 50 MCRI	5	The second s	Test:
rd by		Employee (Printed Name)	łu	cility and the maste has been disp	ourd of in an outhorized more	er at a permitted site.
ceive	EMPLOYEE SIGNATURE:	White Copy: Disposal Facility	Yellow: Tran	sporter Pink: Genera	tor	
Re		and the second second second second	A BORTANNY TRAIL	CHOICE AND INCOMENTATION OF THE OWNER OWNER OF THE OWNER		

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Page 56 of 25	OWL Landfill Services, LLC Disk hariteen Delaware Rath Landfill Services, Maximum Annum A
	$\frac{\text{COMPANY NAME}}{RIU 22RD 189011} \text{ DATE: } \frac{2-20-29}{29}$
	LEASE: PC0 70 BD 129 H PHONE:
	AFE Bajact: 035 1558318 API: 30-015-53242. QUANTITY: BBLS
	RIG NAME: Release: 1-6-3024 WELL #<
	STATE & COUNTY ORIGIN! DELITENCIN AFF 24018568(8 9
-	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
\$	Water Based Cuttings (DIIY) Water Based Cuttings (WET) Gr Contaminated Soil Produced Sands
era	Oil Based Cuttings (DRY) Oil Based Cuttings (WI(T) Injectable Fluids Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms
- Generator	Rig Trash Pit Liners
9	Authorize Washout?
E	Thereby carefy that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's hely 1988 regulatory determination, the above described waste load is (Check the appropriate classification)
Part 1	D RCRA EXEMPT: Olifield wastes generated from oil and gas exploration and production operations and are not moved with non-exempt waste (NOBL Accepts certifications on a per load basis only)
-	EI REPA NON-EXEMPTI Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in BCRA
	regulations, 40 CFR 261,21-261,24, or listed hazandous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
	🗅 SDS Information 📄 RCRA Hazardous Waste Analysis 📑 Process Knowledge 📄 Other (Provide Description Below)
	EMERGENCY NON-ORLFIELD: Emergency non-hazardous, non-piffeld waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous
	weste determination and a description of shat waste must accompany this form)
	Ofento Authorized Agend's Name Date Date
5	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
irter	COMPANY NAME: Sentex KeX YARD #: WHP #: TRUCK #: 39
e e	ADDRESS: TICKET #I ROLL OFF BIN#I TRAILER #: 2309
Transpor	DATE TIME AM DISPATCHER DISPATCHE
Ę	The following statement must be signed by the truck driver prior to unloading at disposal facility:
	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
Part 2	DRIVERE COFNY HEIMER DRIVER'S SIGNATURE: OGA C DAY
a	I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
ZE	FACILITY RECEIVED AT (Check One): DATE: 2120124 TIME IN: AM / PM
6A	Northern Delaware Basin Landfill M/ PM
7:25:16 AM	2029 W. NM Highway 128 Jal, New Mexico 88252
5.7: Sal	WASHOUT: TIME IN TIME OUT
U23/2025 7:25:16 AM Disposal Facility	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A NORM Shake Out:
1/23	TOX: PASS FAIL N/A LIESTING. 1 2 3 26570/
äm	SERVICE NOTES: VII VII VII O BASS FAIL N/A Less than 50 5 Gallon Test:
N O	This is to certify that:
ed by O	Employee (Printed Name) Employee (Printed Name) Audity and the maste has been disposed of in an authorized manner at a permitted site.
Received by OCD: Pairt 3 -	FACILITY RECEIVED AT (Check One): DATE:
Re	

251	
Page 57 of 251	OWL Landfill Services, LLC Dide Northern Dotterson Rad, Suite 520 Dallas, TX 75225 214,292,2011 ar@indblandfill.com X T O DATE: 8-20-20
	COMPANY NAME: A 1 0 DATE: 8 20 - a 9
	LEASE: PL0 20 BD 129 H PHONE:
	AFE POJect:03C 1558318 API: 30-015-53242 QUANTITY: BBLS
	RIGNAME: Release: 1-6-2024 WELL & CS1666311001 000
	STATE & COUNTY ORIGIN/ brident - APPJ 401636864
	Waste Description (check only one box)
5	Water Based Cuttings (DRY) Water Based Cuttings (WIT) Contaminated Soil Produced Sands
- Generator	Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Dirjectable Fluids Non-injectable Fluids
ler	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms
-	Rig Trash Pit Liners
9	Authorize Washout? Ves No
100	I hereby cartify that according to the Resource Contervation and Recovery Act (ICRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described wate load in (Check the appropriate Classification)
Part	RCRA EXEMPT: Official wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts
a	certifications on a periload basis only)
	CI PCRA NON-EXIMPT: Otheld waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CPR 261,21-261 34, or listed hazardous waste as defined by 40 CPR, part 361, subpart D, as amended. The following documentation
	demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
	🗅 SDS Information 🔛 RCRA Hazardous Waste Analysis 🔁 Process Knowledge 🔁 Other (Provide Description Below)
	EMERGENCY NON-OLLIELD: Emergency non-hazardous, non-olifield waste that has been ordered by the Department of Public Salery the onler, documentation of non-hazardous
	waste determination and a description of that waste must accompany this form)
	(Phill) Robertand Agen() Hume Date Date
in the second	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
tter	COMPANY NAME: Sentexmex yard #: WHP #: TRUCK #:
õ	ADDRESSI TICKET #: ROLL OFF BIN#: TRAILER #: 0509
2	DATE THE DATE DEPARTMENT DEPARTMENT
Transport	RECEIVED: RECEIVED: PM NAME: <u>Willy Wie/c-t-</u> PHONE #: <u>432-207-085</u> /
24.5	The following statement must be signed by the truck driver prior to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
Part 2	
a l	(Driver's Name Printed)
	L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
× >	FACILITY RECEIVED AT (Check One): DATE: 2/20/24 TIME IN: 30 AM /PM-
6A	TIME OUT: AM / PM
7:25:16 AM Facility	Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252
	WASHOUT: TIME IN TIME OUT
Disposal	ACCEPTANCE TESTING PAINT FILTER: PASS FAIL N/A NORM Shake Out
23/2	ACCEPTANCE TESTING PAINT FILTER PASS FAIL N/A NORM Shake Qut: 0105060
2a	TOX: PASS FAIL N/A H,O
3m	SERVICE NOTES: VIIVON Base than 50 S Gallon Test:
Part:	This is to certify that:
Received by OCD: 1/23/2025 Part 3 - Disposa	
ceiv	EMPLOYEE SIGNATURE:
Red	White Copy: Disposal Facility Yellow: Transporter Pink: Generator

Page 58 of 25	820 820	Landfill Services, LLC DA Norbern Orlesson Bath Landfel D1 Preston Rd., Suite 520 Dallas, TX 75225 214,292,2011 ar@ndblandfill.com	COMPANY MAN SIGNATURE: COMPANY MAN COMPANY MAN	Matherized Agers's Printed Name and EMAIL:	MANIFEST # 0343406
	COMPANY NAME:	ATU		DATE:	0-24
	LEASE PLUDO	6D124H		PHONE:	
	AFE Project: 03C/S	58315 API: 30-01 2: 1-6-2029 WELL #	5-53292	QUANTITY:	BBLS
	RIGNAME Releas	0:1-6-2024 WELL	Ce-16662110	01	
	ETATE & COLUMN ORIGIN	VocidentenAPP24	01626864		YARDS
	provide the second s	And the second state of th	and the second		
-	Waste Description (che	in the second	RCRA Exen		RCRA Non-Exempt
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E a	Oil Based Cuttings (DRY)	Water Base Mud		Muds w/Cement	Non-Injectable Fluids Tank Bottoms
Ē	Big Trash	Pit Liners			
	Other			Authorize Washout?	Yes No
-	Thereby certify that according to the I	Assource Conservation and Recovery Act (R	OVAI and the US Environmen	Ital Protection Agency's July 1988 reg	substory determination, the above described waste load
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å		certifications on a per load basis only)			
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		SDS Information D RCRA Haz	andous Waste Analysis	Process Knowledge	Other (Provide Description Below)
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		waste determination and a description	- Ball de la serie de la s		
			or their waste mean accort	igiang this form)	
	(Print) Audorated Agent's Name		Date	npany (his form) Signature	
	(Print) Auduntand Agent's Name	TO BE COMPLETED BY THE T	Pate	Hynnare	ENT
ter		TO BE COMPLETED BY THE T	RANSPORTER WHIL	Signifier	363
		TO BE COMPLETED BY THE T	RANSPORTER WHIL	E THE GENERATOR IS PRESI WHP #:	TRUCK #:
		TO BE COMPLETED BY THE T	RANSPORTER WHIL YARD #: TICKET #: DISPATCHER	E THE GENERATOR IS PRESI WHP #: ROLL OFF BINA	TRUCK #: 37
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51	-		
Page 59 of 251		OWL Landfill Services, LLC Dist Harthein Oklaware Basin Landfill 8201 Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com	
	Part 1 Generator	Is ICheck the appropriate classification) In RCRA.EXEMPT Cliffield wantes generated from oil and gas- centifications on a per load basis only: In RCRA.NON-EXEMPT: Cliffield wante which is non-hazantous that regulations, 40 CFR 261.21-261.24, or listed demonstrating the waste as non-hazantous In CRA Hazandou SDS information In RCRA Hazandou	WET) Injectable Pluids Non-Injectable Pluids Muds w/Cement Tank Bottoms Authorize Washout? Yes No Ind the US Environmental Protection Agency's Auty 1988 regulatory determination, the above described waste load replocation and production operations and are not mixed with non-exempt waste (NOBL Accepts) choes not exceed the minimum standards for waste hazardows by characteristics established in RCRA inscretions waste as defined by 40 CPB, part 261, subpart D, as amended. The following documentation is a statistical of Check the appropriate items as provide(): ours Waste Analysis Process Knowledge Other (Provide Description Below) aster that has been ordered by the Department of Public Safety (the order, documentation of non-fusandous)
		(Print) Authorized Agent's Name	Detr
	y nie	TO BE COMPLETED BY THE TRAF	NSPORTER WHILE THE GENERATOR IS PRESENT
	B	COMPANY NAMES ESST Tex Mex	YARD #: WHP #: TRUCK #:
		ADDRESS	TICKET #: BOLL OFF BIN#: TRAILER #:
	Iranspor		DISPATCHER IN LIGOLOT DISPATCHER 208025
	Hart 2-11		The second secon
		TO BE COMPLET	TED BY OWL LANDFILL EMPLOYEES
	I Facility	FACILITY RECEIVED AT (Check One):	DATE: TIME IN: AM / PM WASHOUT BY: TIME IN: TIME OUT
	- Uisposai	ACCEPTANCE TESTING PAINT FILTER PASS FAIL N/A TCLP: PASS FAIL N/A TOX: PASS FAIL N/A	NORM TESTING: H ₂ O H ₂ O
51	2	SERVICE NOTES: This is to certify that:	MCRI Pallion 1055
y 00		Employee (Printed Name)	
Received by OCD:	Lar	EMPLOYEE SIGNATURE:	facility and the wante has been disposed of in an authorized manner at a permitted site

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Page 60 of 25	1		L Landfill Services, I	LLC	COMPANY MA	No Andread and Married	WIA (MANIFEST #
ige (le.		01 Preston Rd., Suite 52	20	SIGNATURE .		12	
Pa		TAC	Dallas, TX 75225 214.292.2011	100	COMPANY MA	N EMAIL:	NIT	0307853
	X		ar@ndblandfill.com		COMPANY MA		7.2 2	0
			V T A	~	-	1632595	-	1201
		COMPANY NAME	DR I	111	11	DATE:	1.1.1.1	
		LEASE: 15020	1000219 21		- 1-2011	D PHONE:		
		AFE MOJECT (1 S.C.	15.55 5 API: 307	<u> </u>	-2347	CUANTITY:	-	BBLS
		RIGNAME: #1198-2-71	11 6 565 PWE	4/1-2	<u>neere (Acy</u>	2004	20	_ VARDS
		STATE & COUNTY ORIGIN		1.114	21			
		Waste Description (che			RCRA Exe	mpt	RCRA Non-	Exempt
4	Jonplallan -	Water Based Cuttings (DI				Contaminated Sol		Produced Sands
18		Oil Based Cuttings (DRV)	Oil Based Cu		MET)	Injectable Fluids Muds w/Cement		Non-Injectable Fluids Tank Bottoms
1		Rig Trash	Pit Liners	PATRA		C Muds w/Cement	L .	fank Bottoma
C.	2	Other:				Authorize Washou	it? 🔲 Yes	D No
		I hereby certify that according to the I	descurse Conservation and Recovery J	American	and the OS lewinger	untial Protection Agency's July	998 regulatory determin	attor, the above described waste load
- And		IL ICheck the appropriate classification D INCRA EXEMPT:	Olifield wantes generated from oil	l and gas a	exploration and pro	duction operations and are n	of mixed with non-soa	mot waste (NDBL Accepts
9	5		certifications on a per load basis o	intyl				
		CI RCAA NON EXEMPTI	Olifield waste which is non-hazard regulations, 40 CFR 261,21-261,24	L or listed.	hazandous waste at	defined by 40 CFB, part 261,	subpart D. as amendes	teristics established in RCRA I. The following documentation
			demonstrating the waste as non-I CI 505 Information CI HCR/		s is etheched. (Check hus Waste Analysis	the appropriate iterits as pro Process Knowledge		Description Below)
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		D EWERGENCY NON-OLFIELD	Emergency non-hazardous, non-o waste determination and s deach	stilleld wa ption of th	ste that has been o hat waste must acco	dered by the Department of impany this form)	Public Safety (the onter	documentation of non-hazandous
		(Print) Authorized Agent's Name			Dete	Bytes		
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-Transnor			ECEIVED: D		NAME:	Ily Wieles	PHONE	12-2012-221
5		"I CERTIFY THAT NO OTH	following statement must b IER MATERIAL HAS BEEN PI	e signe LACED I	d by the truck o IN THIS VESSEL	river <u>prior</u> to unloadin SINCE LOADING OF M	g at disposal facili ATERIAL DESCRIE	ED IN PART J ABOVE:
C tred		DRIVER David	Mall 8/1	91	1424421	DRIVER'S SIGNATURE:	1	1210
ä		L (TRANSDORTER)	(Driver's Name Printed)	-			LATE TO THE BEST O	
100				NA PARA			CHIEFE TO THE PETTO	
				IMPLET	and the second states	NDFILL EMPLOYEES	. 12.1	-1
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.91	1	Northern Delaware Basi				WASHOUT BY		
7:25:16 AM		2029 W. NM Highway 1	28 Jal, New Mexico 8825	2			IME IN:	TIME OUT:
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d by O		This is to certify that:	Analogood Printeday	and -				ed all acceptances testing of this and manner at a permitted site.
Received by OCD: Part 3 -		EMPLOYEE SIGNATURE	and mental	1		sarge and the manife has been	importent of in del markles	and manyair at a permitted ane.
icei			White Copy: Disposal I	facility	Yellow: Tra	sporter Pink: Gen	erator	
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Page 61 of 25	820	Landfill Services, LLC Advisor Defense Basis Landes 1 Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com	COMPANY MA SIGNATURE - COMPANY MA COMPANY MA		MANIFEST # 0307855
		10	11	DATE:	17-24
	LEASE: PJ U.L.	0 6 10 124	H	PHONE:	- 1
	APEN: OCOSCIESS	API: -015	5.3.24	QUANTITY:	B8L5
	RIG NAME TO 2PP. 240	11636864 weiki	Veasel/6	22.24	20 D YARDS
	STATE & COUNTY ORIGIN	HCC: 1666 21	1001		
185	Waste Description (chec	k only one box)	RCRA Exc	empt 🔤 R	CRA Non-Exempt
tor	Water Based Cuttings (DR		Press, and a state of the second s	Contaminated Soll	Produced Sands
Pla	Oil Based Cuttings (DRV)	Oil Based Cuttin		Injectable Fluids	Non-injectable Fluids Tank Bottoms
GDé	Oil Base Mud Ilig Trash	Water Base Mud Pit Uners		Muds w/Cement	Tank Bottoms
- Generator	D Other:	- recentre		Authorize Washout?	Yes 🖾 No
÷	I hereby certify that according to the R is ICheck the appropriate classification	esource Conservation and Recovery Act @	ICIA) and the US bevironin	nental Protection Agency's July 1988 regu	latory determination, the above described waste load
Part 1	D ROBA EXEMPT:	Oilfield wantes generated from oil and		duction operations and are not mixed	with non-exempt watte (NDBL Accepts
0	CI ROLA NON EXEMPT	certifications on a per load basis only! Cliffield wante which is non-basentous		e minimum standards for waste basard	Hous by characteristics established in RCRA
	C restricted estate in	regulations, 40 CFR 261,21-261,24, or I demonstrating the waste as non-haze	lated hazardous waste a	a defined by 40 CFR, part 261, subpart I	D. as amended. The following documentation
			aandous Waste Analysis		Other (Provide Description Below)
	D EMERGENCY NON-DILFIELD	Enverses of the sector of the	al wants that has been a	obsend by the Constraint of Bublic Sy	hely (the order, documentation of non-hazardous
	C contraction of the second second	weste determination and a description			
	OverO Activities Agent's Name		Date	Signature	
1		TO BE COMPLETED BY THE T	RANSPORTER WH	LE THE GENERATOR IS PRESE	NT
ter	COMPANY NAME: Set	UTEX Mex	YARD #:	WHP #:	
ē	ADDRESS:	and a second second	TICKET #:	ROLL OFF BIN#	
Su		ME AM	DISPATCHER NAME: 1/	11 Walor	DISPATCHER PHONE #292-2090851
Part 2 - Transpor	ENGINE MIL	ollowing statement must be si	State of the second second		and the second
à					AL DESCRIBED IN PART 1 ABOVE
t	DRIVER: David	War1 819	120-24	DRIVER'S SIGNATURE	121 Walk
P.	I, (TRANSPORTER), C	Chiver's Name Printed) ENTIFY THAT THE INFORMATION	GIVEN ON THIS MAN	FEST IS TRUE AND ACCURATE TO	THE BEST OF MY KNOWLEDGE
		TO BE COM	PLETED BY OWL L	ANDFILL EMPLOYEES	
	FACILITY RECEIVED AT (Check	Onei:	DATE	1 De TIME IN	103 WATER
AA				TIME OUT:	AM/PM
<i>3:16</i>	Northern Delaware Basi 2029 W. NM Highway 13	n Landfill 28 Jal, New Mexico 88252		WASHOUT BY	
7:2		a l'and the transmission and an		WASHOUT: TIME IN	TIME OUT:
1/23/2025 7:25:16 AM Disposal Facility	ACCEPTANCE TESTING: PAIN	IT FILTER PASS FAIL N/A	NORM	Shake Out	Dicenn.
iisp	TCU		TESTING:	1 2 3	2655022
CD: 1	TOX	PASS FAIL N/A	Less than 50	H ₃ O / 1 / / / /	-
t OC	SERVICE NOTES: This is to certify that:	Burneling	MCRO		Gallon Test:
d by O Part		Employee (Printed Harne)			of in an outhorized machier at a permitted site.
Received by OCD: 1/23/2025 7:25:16 AM Part 3 - Disposal Facility	EMPLOYEE SIGNATURE:		and the second second	A	
Rec		White Copy: Disposal Faci	ility Yellow: Tra	nsporter Pink: Generator	

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Page 62 of 25	OWL Landfill Services, LLC Data Northern Delowase Ratio Landfill South Company MAN A <u>AMAY</u> <u>August</u> <u>August</u> August A
	COMPANY NAME: DI TI DA TE DATE: 0007
	LEASE:
	AFE/#-218-7-036/5583/8 API: 70-015-552992 QUANTITY: BBLS
	RIG NAME CC1666211001 WELFECTASE: 1-6-11 20 -
	STATE & COUNTY ORIGIN: IN C. UNIT MANP HO16 36 909
Auto	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
Generator	Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soit Produced Sands
	OII Based Cuttings (DRY) OII Based Cuttings (WET) Injectable Fluids OII Base Mud Water Base Mud Muds w/Cement Tank Bottoms
Š	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms Pit Liners
Ğ	Authorize Washout? Yes No
-	I hereby certify that according to the Resource Contervation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 15th regulatory determination, the above described wate load
Part 1	is (Check the appropriate classification)
Pa	REIA EXEMPT: Oilfield wastes generated from oil and ges exploration and production operations and are not mixed with non-exempt waste INDBL Accepts certifications on a per load basis coly)
	RCRA NON-EXEMPT: Oilfield waste which is non-bazardous that does not exceed the minimum standards for waste bazardous by characteristics established in BCRA
	regulations, 40 CFII 261.21.261.24, or listed hazardous wante as defined by 40 CFIR, part 261, subpart D, as amanded. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
	🗇 505 Informations 🔄 RCRA Hazandous Waste Analysis 🖆 Process Knowledge 🔄 Other (Provide Description Below)
	EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oifield waste that has been ordered by the Department of Public Safety the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)
	(Finel) Authorized Agent's Name Date Date
-	
ter	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
Ę	COMPANY NAME: TRUCK #: TRUCK #: TRUCK #:
d	ADDRESS: TICKET #: ROLL OFF BIN#: TRAILER #: 3.0.5
Ē	DATE TIME AM DISPATCHER RECEIVED: RECEIVED DM NAME W/114 01-114 PHONE # 432-20108-
Transport	The following statement must be signed by the truck driver prior to unloading at disposal facility;
1.1	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIPED IN PART 1 ABOVE."
Part 2	DRIVER Frand Harden DRIVER'S SIGNATURE:
2	Ditive's Nerve Printed) I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
AM	FACILITY RECEIVED AT (Check One): DATE: D/ CO/ CY TIME IN: CO/ CO AM /PM
25:16 AM Facility	TIME OUT: AM / PM
7:25:16	2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT BY:
K	WASHOUTI TIME IN TIME OUT
1/23/2025 7: Disposal	ACCEPTANCE TESTING PAINT FILTER PASS FAIL N/A NORM Shake Out:
5232	TCLP PASS FAIL N/A LTESTING: 1 2 3 65708
NO	TOX: PASS FAIL N/A H,O
°.	SERVICE NOTES: Gallon Test:
by O	This is to certify that:
Pab.	t = 0 kg h key h key h key h key h key h key h key h key h key h key h key h key h key h key h key h key h key h
Received by OCD: 1/23/2025	FACILITY RECEIVED AT (Check One): DATE: TIME IN: AM / PM Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME IN: AM / PM ACCEPTANCE TESTING PAINT FILTER: PASS FAIL N/A WASHOUT: TIME IN: TIME OUT: AM / PM ACCEPTANCE TESTING PAINT FILTER: PASS FAIL N/A WASHOUT: TIME OUT: TIME OUT: AM / PM SERVICE NOTES: TOX: PASS FAIL N/A MCII TIME out: Callon Test: MCII This is to certify that: Employee (Pristed Name) McIII Ner reget/ed the abase indicated water, waster fais passed all acceptances testing of the delayer and the searce has been adjusted water, waster fais passed all acceptances testing of the delayer and the waster has been adjusted of in an authorized manner of a permitted directing of the delayer and the waster has been adjusted of in an authorized manner of a permitted directing of the delayer and the waster has been adjusted of in an authorized manner of a permitted directing of the delayer and the searce has been adjusted of in an authorized manner of a permitted directing of the delayer and the searce has been adjusted of in an authorized manner of a permitted directing of the delayer and the searce has been adjusted of in an authorized manner of a permitted directing of the delayer and the searce has been adjusted directing of the delayer and the searce has been adjus
Rec	White Copy: Disposal Facility Yellow: Transporter Pink: Generator

Puge 63 of 25		Landfill Services, LLC MA Northern Delevant Bath Landfe D1 Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com	COMPANY MAP SIGNATURE: COMPANY MAP	(Authorized AgencyPrennel Name are	and the second sec	NIFEST # 45579
t 1 - Generator	COMPANY NAME: LEASE: AFE #1 0 2007 - 0307 RIG NAME: COUNTY ORIGIN STATE & COUNTY ORIGIN Waste Description (chee) Waste Description (chee) Oil Based Cuttings (DRV) Oil Base Mud Rig Trash Other: Thereby certify that according to the In (Check the appropriate Classification	(2)//00/ WELL/Br2 4: 15 c i (c i 1 · M A PP) ck only one box) C (V) Water Based Cuttings (Oil Based Cuttings (Water Base Mud Water Base Mud Pit Uners	WET)	Conteminated Soil Conteminated Soil Hijectable Fluids Muds w/Cement Authorize Washout?		able fluids ms Vo
Part		Oilfield wastes generated from oil and gas certifications on a per load basis only! Odfield waste which is non-hazardous that regulations. 40 CPI 261.21-261.24, or listed demonstrating the waste as non-hazardou	Looes not exceed the Enabled waste as is a attached. IChick our Waste Analysis aste that has been or that waste must acco	minimum standards for waste haz defined by 40 CFR, part 261, subpa the appropriate items as provided Process linowledge	erdous by characteristics est rt D, as amended. The follow Other (Provide Description	ablished in RCRA ing documentation Below)
Part 2 - Transporter	RECEIVED:R	TO BE COMPLETED BY THE TRA	YARD #: TICKET #: DISPATCHER NAME: ed by the truck d IN THIS VESSEL	WHP #:	#:TRUCK #:TRAILE DISPATCHER PHONE #: Isposal facility:	RH <u>0305</u> 2009 <i>0</i> 85
25:16 AM Facility	FACILITY RECEIVED AT (Check	(One):	COCIN COLORIDANIA COLORIDANIA	NDFILL EMPLOYEES 70124 TIME IN: - TIME OUT: WASHOUT: TIME I	3-54 M	N/PM N/PM
Received by OCD: 1/23/2025 7: Part 3 - Disposal	ACCEPTANCE TESTING: PAIN TCL TOX SERVICE NOTES: This is to certify that:	P) PASS FAIL PN/A	3.	H ₂ O 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	nd of in an authorized menne	fest:

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Page 64 of 25		L Landfill Services, LLC DBA Merdem Delevate Rean Local 01 Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com	COMPANY MAN SIGNATUREI COMPANY MAN COMPANY MAN			AANIFEST # 0345578
	COMPANY NAME:	110		DATE:	20.20	/
	LEASE: FAC	12080 124	14	PHONE:		
	AFERFO JECTIOSC	1558-18 30.01	53343	OUANTITY:		BBLS
	V77 1777	-YIOOI WELLAR	alesceles	7.50	and a second	
	RIG NAME: S.C. 1666	I the stand	14111221	de	20	E YARDS
	STATE & COUNTY ORIGI		Teste an	ea		
-	Waste Description (che		RCRA Exer	npt	RCRA Non-Exen	pt
Generator	Water Based Cuttings (D			Contaminated Soil	Produ	
e	Oil Based Cuttings (DRY)		(WET)	Injectable Fluids	10 10 10 10 10 10 10 10 10 10 10 10 10 1	yectable Fluids
Ě.	Oil Base Mud	Water Base Mud Pit Liners		Muds w/Cement	Tank 8	ottoms
	Other:			Authorize Washout?	Yes P	Í No
<u></u>		Resource Conservation and Recovery Act diChu	A and the US Emilioning	Intel Protection Agency's July 1988	requistory determination, t	he above described waste load
Part	Is Check the appropriate classification C3 RCRA EXEMPT:	P				
Ba	D INCOM EXTERNEL	Othekd wastes generated from oil and ga certifications on a per load basis only!	s mithonation and prod	webon operations and are not ins	and with non-exempt we	Me (NOBL Accepts
	D RERA NON EXEMPT:	Offield waste which is non-hazardous that				
		regulations, 40 CFR 261,21-261,24, or liste demonstrating the waste as non-hazardo				mowing documentation
	and the second second	SDS Information D RCRA Hazard	Ious Watte Analysis	Process Knowledge	🔁 Other (Provide Descrip	tion Below)
	EMERGENCY NON-OR/HELD	Emergency non-hazardous, non-oilfield w	cente that has been out	and in the Department of Public	e Salata (the outles docu	inconstant of some boundary in
		weste determination and a description of			Contrap (the block, becau	
	Print Authorized Agent's Name		Date	Signature		
100		TO BE COMPLETED BY THE TRA	NSPORTER WHIL	E THE GENERATOR IS PRI	SENT	
ter.	COMPANY NAME S 7	20	YARD #:	and the second second	and the second se	ICK #: _ 5 4
	ADDRESS:		TICKET #			NLER #: 0375
6			DISPATCHER	noec orr bi	DISPATCHER	OLER W.
Transpor		ECEIVED: PM	NAME: MA	The WELL.	PHONE #1	-1-11:08
臣	The	following statement must be sign	ed by the truck dr	iver prior to unloading at	disposal facility:	
Part 2 -	"I CERTIFY THAT NO OTH	ER MATERIAL HAS BEEN PLACED	IN THIS VESSEL :	SINCE LOADING OF MATE	RIAL DESCRIBED IN	PART 1 ABOVE!
ta	DRIVER JELAND	Mande	D	RIVER'S SIGNATURE:	Y	
à	L (TRANSPORTER),	Centrer's Name Printed) CENTRY THAT THE INFORMATION GIV	TH ON THIS MANIF	EST IS TRUE AND ACCURATE	TO THE BEST OF MY	wowledge
-		TO BE COMPLE	TED BY OWL LAP	NDFILL EMPLOYEES	and the second second	Concession of the local division of the loca
-	EACH ITY DECEMPTO AT ICK.	200 million (1997)	DATE 81	20/20 TIME IN:	1:40	
NA E	FACILITY RECEIVED AT (Chec)	(One)	DATE		R.	AM /PM
7:25:16 AM al Facility	Northern Delaware Bas			WASHOUT BY:		
7:25	2029 W. NM Highway 1	28 J Jal, New Mexico 88252		The second s	IN: TH	AE OUT
25 50	CONTRACTOR OF A		No service and the			
P0	ACCEPTANCE TESTING: PAI		NORM	Shake Out:	160	5661
Disposal	TCL		TESTING	1 2	3 00	an at
a	SERVICE NOTES:	The the first	ILess than 30	но	6.0	on Test:
t mo	This is to certify that:	CONTRACTOR OF THE	MCRO	a received the above indicated ino	And the second second second second	Contraction and the second second
Part		Employee (Ponted Name)		of received the above indicated no olity and the waste has been dispo		
eive.	EMPLOYEE SIGNATURE:	alla	6 3			
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			and the second se			

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Page 65 of 25.		OWL Landfill Services, LLC DitA Horitans Distances Basis Landfil Salay Maple Ave, Suite 300 Dallas, TX 75219 S05.231.1212 ar@ndblandfill.com OMPANY MAN EMAIL: OMPANY MAN EMAIL: OMPANY MAN PHONE: OMPANY
		COMPANY NAME: XTO DATE: 11-13-24
		LEASE: PCU DU BDI DI DI 4 14 PHONE:
		AFE 101-01-0301658318 API: 30-015-53242 QUANTITY:
		RIG NAME: CC: 16663 11001 WELL # 20
		STATE & COUNTY ORIGIN: DICIDENT: APPJ401636369
	-	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
	Generator	Water Based Cuttings (DRY) Water Based Cuttings (WET) Grontaminated Soil Produced Sands Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids
	ELS.	Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms
	Č.	Rig Trash Pit Liners
	0	Authorize Washout? Yes No
	-	I hereby certify that according to the Resource Conservation and Recovery ALLOCIA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described westerload
	Part	Is (Check the appropriate classification) E) FICRA EXEMPT: Otheld wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (hDBL Accepts)
	ġ,	certifications on a per load bosis only)
		CIRCIA NOV-EXEMPT Olifield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations. 40 CFR 261:21-261:34, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation
		demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
		🖸 SDS Information 🛛 RCRA Hazardous Waste Analysis 🔯 Process Knowledge 🔲 Other (Provide Description Below)
		EMERGENCY NON-OLFIELD: Emergency non-hazardous, non-olfield waste that has been ordered by the Department of Public Safety Bhe order, documentation of non-hazardous
		waite determination and a description of that waste must accompany this form?
		Proti Authorized Agent's Name Signature
	-	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
	nter	COMPANY NAME: DEALTEX MCX YARD # WHP # TRUCK # 37
	8	ADDRESS: TICKET #: ROLL OFF BIN#: TRAILER #:
	Su	DATE TIME AM DISPATCHER DISPATCHER DISPATCHER DISPATCHER PHONE #: 913-107-0857
	Part 2 - Transport	The following statement must be signed by the truck driver prior to unloading at disposal facility:
	-	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
	÷.	DRIVER COLLY Reinver DRIVERS SIGNATURE: Gard Struct
	Pa	(Driver's Name Printed) L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
		TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
4M	Þ.	IACILITY RECEIVED AT (Check One): DATE: 1113/24 TIME IN: 3.000 AM /M
16.	1	TIME OUT: AM / PM
.25	E	2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT BY
5 7	10	WASHOUTI TIME IN: TIME OUTI
/202	So	ACCEPTANCE TESTING: PAINT FILTER: PASS' FAIL N/A NORM Shake Out: 79910001
1/23	list	TCLP: PASS FAIL N/A TESTING: 1 2 3
ä	0	TOX: PASS FAIL N/A Han So Hao
00	Part 3 - Disposal Facility	IERVICE NOTES: S Gallon Test: G
1 by	E	Inits is to certify that:
ived	a.	IMPLOYEE SIGNATURE:
Received by OCD: 1/23/2025 7:25:16 AM		IACILITY RECEIVED AT (Check One): DATE: DATE: TIME IN: 3.160 AM /PM Image: Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252 MASHOUT BY MASHOUT BY AM /PM ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A Image: Northern Delaware Basin Landfill TIME OUT: AM /PM ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A Image: Northern Delaware Del
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Page 66 of 25.			L Landfill Services, LLC DRA Martin Delaware Basin Landfil 89 Maple Ave. Suite 300 Dallas, TX 75219 505.231.1212 ar@ndblandfill.com	COMPANY MAI SIGNATURE: _ COMPANY MAI	Vehanized Agent's Pronted Name an	0368350
			70	3. 92	DATE: // - /	3-24
		LEASE: PLU20	BDIZYH		PHONE:	
			58218 API: 30-015	-52143		
		RIG NAME: CC:166	and the second state of the second state of the	a second s		🛛 88LS
					- 10 C	20 D YARDS
		Provide the second s	N: IncidenturAPP.	14016 560	Q 7	
		Waste Description (che		RCRA Exe	mpt 📃	RCRA Non-Exempt
	Generator	Water Based Cuttings (D			Contaminated Soli	Produced Sands
	e	Oil Based Cuttings (DRY)		IL (WET)	injectable Fluids	Non-Injectable Phulds
	ĉ	Oil Base Mud	Water Base Mud		Muds w/Cement	Tank Bottoms
	5	Rig Trash Other:	Pit Linera		Authorize Washout?	Yes P No
	-		Renisurce Contervalion and Renovery Act (RC	EAL and the US Employee	andal Patriantico Amango's hely 1988 a	gulatory determination, the above described waste foad
1	Fart	Is Other's the appropriate classification	•			
	2	EL'BORA EXEMPTI	Certifications on a per load basis only)	pas exploration and pro	duction operations and are not retain	ed with non-exempt waste (NDBL Accepts
		CI RCRA NON-EXEMPTI				ardous by characteristics established in RCRA
			demonstrating the waste as non-hazard	lous is attached. [Check	defined by 40 CFR, part 261, subpa the appropriate items as provided)	rt D, as amended. The following documentation
			SOS Information D RCRA Haza	indous Waste Analysis	Process Knowledge	Other (Provide Description Below)
		THE EMERGENCY NON-OILFIELD	Ferromovice hazardous, non-adfield	waste that has been or	dened by the Department of Public	Safety (the order, documentation of non-hazardous
		Har the protection of the	waste determination and a description of			
		Print) Authorized Agent's Name		Dete		
			TO BE COMPLETED BY THE TR	ANSPORTER WHI	LE THE GENERATOR IS PRES	SENT
	2	COMPANY NAME	mor Brainstear	VARD #1	WHP #	TRUCK #: 37
	ò	ADDRESS: Server	Tex Mex	TICKET #:	ROLL OFF BIN	
	8	DATE T		DISPATCHER		DISPATCHER
	Iranspon	RECEIVED: R	ECEIVED: PM	NAME: Marine	ly selet-	PHONE #: 923-201-655
			following statement must be sig			
5	4		13		医丁基苯基酚 网络拉拉拉 网络拉拉拉	HAL DESCRIBED IN PART 1 ABOVE.
	- 7 Mey	DRIVER COMMY	(Driver's Name Printed)		DRIVER'S SIGNATURE	mally Vreier
	-	L (TRANSPORTER), (CERTIFY THAT THE INFORMATION G	IVEN ON THIS MAN	FEST IS TRUE AND ACCURATE 1	TO THE BEST OF MY KNOWLEDGE
			TO BE COMPI	LETED BY OWL LA	NDFILL EMPLOYEES	
N	2	FACILITY RECEIVED AT (Check	k Oneà:	DATE:	13/20 TIMEIN	5:50 AM (PM)
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Received by OCD: 1/23/2025 7:25:16 AM	ran 5 - Uisposal radiity	This is to certify that:	Employee (Printed Natha)		as received the above indicated wash	e, weste has passed all acceptonces lesting of this
bed	L I	PARTICIPATION CONTRACTOR	001	MACS	scillty and the waste has been dispos	ed of in an outborized manner at a permitted site.
cei		EMPLOYEE SIGNATURE:	White Carlos Contraction	and the	NAME OF TAXABLE PARTY OF TAXABLE	
Re			White Copy: Disposal Facili	ty Yellow: Trai	nsporter Pink: Generato	

Page 67 of 25.		/L Landfill Service DBA Northun Delever han Lan 889 Maple Ave. Suite Dallas, TX 75219 505.231.1212 ar@ndblandfill.cor	ana 300	COMPANY MAR SIGNATURE: COMPANY MAR COMPANY MAR	EMAIL:	lanes Fridaid Hiland and		MANIFEST # 0355402	
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	Waste Description (ch	and the second se	1 0	RCRA Exe	mot	11	RCRA Non-	luamat.	
5	Water Based Cuttings (0		lased Cuttings			ninated Soil		Voluced Sands	
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9	Other:			and the second		e Washout?	Yes	-No	
	Thereby certify that according to the to ICheck the appropriate classification of the second	e Resource Conservation and Reco	nery Act DCDALa	nd the US Emmonia	ental Protection	hgeney's July 1988 re-	pulatory determin	ation, the above described waste load	
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	regulations, 40 CFB 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached, (Check the appropriate nome as provided)								
		D SDS Information	BCRA Hazanloi	is Waste Analysis	D Process	osowiedge []	Other Provide I	Description Belowd	
	E EMERGENCY HON-OILFIELD:	Emergancy non-hazardous, a	non-oilfield was	te that has been on	dered by the De	partment of Public	alety (the order	documentation of non-hazardous	
	and the cost of the second second second	waite determination and a c					29 1	09 0851	
	(Print) Authorized Agent's Harrie	try ar	6-18-6	Ozer		ligeatureC		and the second state of th	
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ter				SPORTER WHI	LE THE GENI	IRATOR IS PRES	ENT		
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Lio	COMPANY NAME:	er Tex Ales	<u> </u>		97			_ TRUCK #: <u>102.</u>	
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ransport	ADDRESS: DATE RECEIVED:	TIME C		YARD #: TICKET #: DISPATCHER NAME:	92	WHP #: ROLL OFF BIN	DISPATC	TRAILER #:	
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8 of 251	OWL Landfill Services, LLC COMPANY MAN DELT							
Page 68 of 25.	DRA Number Delaware Basin Lavititi 3889 Maple Ave. Suite 300 Dallas, TX 75219 505.231,1212 arcendblandfill.com SIGNATURE: Image: Company Man Email COMPANY MAN EMAIL: COMPANY MAN PHONE: 0363530							
	COMPANY NAME: X10 DATE: 11-13/24							
	LEASE: 170 20 BD 12111 PHONE:							
	AFE #: API: 30.0/5.53742 QUANTITY: BBLS							
	RIG NAME: WELL #: 2//// 2/0							
	STATE & COUNTY ORIGIN: LCC							
1999	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt							
Generator	Water Based Cuttings (DRY) Water Based Cuttings (WET) Produced Sands Produced Sands							
Te	Oil Based Cuttings (DRV) Oil Based Cuttings (WET) Injectable Fluids Non-injectable Fluids							
ne i	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms							
	Authorize Washout?							
-	Thereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1788 regulatory determination, the above described waste load							
Part 1	In Scheck the appropriate dassification) CFRCRA EXEMPT: Olifield wastes generated from oil and gas exploration and production operations and are not moved with non-exempt waste 0408LAccepts							
ä	certifications on a per load basis only)							
	RCRA NON-EXEMPT: Diffeld waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261, 21-261, 24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous in attached. (Check the appropriate items as provided)							
	🗇 SDS Information 📋 BCRA Hazandous Weste Analysis 📋 Process Knowledge 📋 Other (Provide Description Below)							
	ENERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)							
	Third Authorized Agent's Name Data Data Data Data are							
-	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT							
ter	COMPANY NAME SAM TTA MUX YARD #: WHP #: TRUCK #: 2							
	ADDRESS: TICKET # ROLL OFF BIN#: TRAILER #: 2.3.5							
Isp	DATE TIME AM DISPATCHER DISPATCHER							
Transpor	RECEIVED: RECEIVED: PM NAME: PHONE #:							
1 A A	The following statement must be signed by the truck driver prior to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."							
Part 2	DRIVER NAMER'S SIGNATURE NIP							
Pai	(Driver's Name Pointed) L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE							
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES							
N.	FACILITY RECEIVED AT (Check One): DATE: 1111 21 21 TIME IN: AM(2PM) AM (2PM) AM (2PM)							
16 /	Northern Delaware Basin Landfill WASHOUT BY:							
25 Fa	2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME INTIME OUT							
25 7 058								
1/23/2025 7:25:16 AM Disposal Facility	ACCEPTANCE TESTING: PAINT FILTER PASS FAIL N/A. NORM Shake Out: 700000							
1/23/2025 7:25:16 AM Disposal Facility	TCLP: PASS FAIL N/A TESTING: 1 2 3 TOX: PASS FAIL N/A H ₂ O							
	SERVICE NOTES: Gallon Test:							
Part:	This is to certify that:							
Received by OCD: Part 3 -	EMPLOYEE SIGNATURE:							
ceiv	FACILITY RECEIVED AT (Check One): DATE: DATE:							
Re								

Page 69 of 251	OWL Landfill Services, LLC Deta Northware Defenses Back Landfil Service Company Man. Detailed Agent V Risked Rative and Yillet Signature: Signature: Company Man EMail: Company Man EMail: Company Man EMail: Company Man Phone: Company M								
	COMPANY NAME: (T) DATE: 11-13-24								
	LEASE: PLU 20 BD 12911 PHONE:								
	AFE #: APE 20_015 53242 QUANTITY: BBLS								
	RIG NAME:								
	STATE & COUNTY ORIGIN: 4 YARDS								
	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt								
b	Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soil Produced Sands								
ē	Oil Based Cuttings (DRV) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids								
ů.	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms Pt Liners								
- Generator	Authorize Washout? Yes No								
and a second	Thereby certify their according to the Resource Conservation and Recovery Act (IICRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is Check the appropriate classification).								
Part	(3 ROIA EXEMPT) Olifield waster generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (HDBL Accepts								
α.	certifications on a per load basis only) BERA NON-EXEMPT: Official waste which is non-hazandous that does not exceed the missimum standards for waste hazandous by characteristics established in ICEA								
	regulations, 40 CPR 261,21-261,24, or inted hazardous veste as defined by 40 CPR, part 261, subpert D, as amended. The following documentation demonstrating the waste as non-Fazardous is attached. Check the appropriate from as provided)								
	🗆 SDS Information 🛛 RCRA Hazardous Waste Analysis 📋 Process Knowledge 🔲 Other (Provide Description Below)								
	D EMERGENCY NON-OIL/TELD Emergency non-basardous, non-oilfield waste that has been ordered by the Department of Fubic Safety the onles, documentation of non-basardous								
	waste determination and a description of that waste must accompany this form)								
	Phot Authorized Agent's Name Date Signature								
	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT								
rter	COMPANY NAME: SOM TOX MOX YARD #: TRUCK #:								
å	ADDRESS: TICKET #: ROLL OFF BIN#: TRAILER #: ROLL OFF BIN#: TRAILER #: ROLL OFF BIN#: TRAILER #: ROLL OFF BIN#: ROLL OFF BIN#: TRAILER #: ROLL OFF BIN#: OLL OFF BIN#: ROLL OFF BIN#: ROLL OFF BIN#: ROLL OFF BIN#: ROLL OFF BIN#:ROLL OFF BIN#: ROLL OFF BIN#:ROLL OFF BIN#: _								
Transpor	DATE TIME AM DISPATCHER DISPATCHER RECEIVED: PM NAME PHONE #:								
卓	The following statement must be signed by the truck driver prior to unloading at disposal facility:								
	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."								
Part 2	DRIVER: Major Koliguit DRIVER'S SIGNATURE: NK								
-	I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE								
15	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES								
NA	FACILITY RECEIVED AT (Check One): DATE: 11/2/24 TIME IN: 12/24 AM (PM)								
25:16 AM Facility	Northern Delaware Basin Landfill M7PM								
725:	2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME IN: TIME OUT:								
sal sal									
1/23/2025 7:25:16 AM Disposal Facility	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A NORM Shake Out: 25/007								
0ix	TOX PASS FAIL N/A H,O								
8m	SERVICE NOTES: VIII Gallon Test:								
Part	This is to certify that:								
Pa									
Received by OCD: Part 3 -	White Copy: Disposal Facility Yellow: Transporter Pink: Generator								
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	OWL Landfill Services, LLC Obt. Northern Datasets Basin Landfill 3889 Maple Ave. Suite 300 Dallas, TX 75219 505.231.1212 arcendblandfill.com	COMPANY MAI SIGNATURE: COMPANY MAI	VEMAIL:	MANIFEST #
	COMPANY NAME: 278 LEASE: 20 BD 12 AFE #: APE 30.0 RIG NAME: WELLA	155537 155537 15744	DATE: // 	3/24 BBLS 20 VARDS
	STATE & COUNTY ORIGINI			
100	Waste Description (check only one box)	RCRA Exe	mpt 🔲 I	CRA Non-Exempt
- Generator	Water Based Cuttings (DRY) Water Based Cut	Ungs (WET)	Contaminated Sol	Produced Sands
ē	Oil Based Cuttings (DRY) Oil Based Cuttin	gs (WET)	Injectable Fluids	Non-Injectable Fluids
e	Oil Base Mud Water Base Mud		Muds w/Cement	Tank Bottoms
in in	Rig Trash D Pit Liners		Authorize Washout?	
ĭ	Other:	and the second second second		Yes PNo
Part 1	Density centrify that according to the Resource Conternation and Recovery Act (It is (Check the appropriate classification)	CRA) and the US Emmone	ental Protection Agency's July 1988 reg	Autory determination, the above described waste load
h	PCRA EXEMPT: Othetid wastes generated from oil and certifications on a per load balls only!	gas exploration and pro-	duction operations and are not mixed	with non-exempt watte (NDIII, Accepta
	RCRA NON-EXEMPT: OfficeId waste which is non-hazardous regulations. 40 CPR 251.21-261.24, or I demonstrating the waste as non-hazard	sted hazardous waste as slous is attached. (Check	defined by 40 CFR, part 261, subpart	down by characteristics established in IICRA D, as amended. The following documentation
	E SDS information E BORA Ha	cardous Waste Analysis	D Process Knowledge	Other (Provide Description Below)
	EMERGENCY NON-OILFIELD: Emergency non-tuzardous, non-oilfiel waste determination and a description			Mety the order, documentation of non-hazardous
_	(Prind) Authorized Agent's Name	Oute	Signature	
e su de				
ALC: NO	TO BE COMPLETED BY THE T	RANSPORTER WHI	LE THE GENERATOR IS PRESI	INT
fier	the second s	100000	and the second	CONTRACTOR OF A CONTRACTOR OF
orter	COMPANY NAME: SULL TEX MEX	YARD #:	WHP #	
sporter	COMPANY NAME: SCHTTEX MEX	YARD #:	WHP #	
ansporter	COMPANY NAME: SULL TEX MEX	YARD #:	WHP #	
Transporter	COMPANY NAME: SOM TEX MEX ADDRESS: DATETIMEAM RECEIVED:BM The following statement must be ske	YARD #: TICKET #: DISPATCHER NAME! gned by the truck d	ROLL OFF BINE	TRUCK #:
- Transpor	COMPANY NAME: SOM TEX MEX ADDRESS: DATE TIME AM RECEIVED: AM	YARD #: TICKET #: DISPATCHER NAME! gned by the truck d	ROLL OFF BINE	TRUCK #:
- Transpor	COMPANY NAME: SCH TEX MEX ADDRESS: DATE TIME AM RECEIVED: AM The following statement must be sk "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACE DRIVER: MADOX ROAD QUE	YARD #: TICKET #: DISPATCHER NAME! gned by the truck d ED IN THIS VESSEL	ROLL OFF BINE	TRUCK #:
Part 2 - Transporter	COMPANY NAME: SCIPTEX MEX ADDRESS:	YARD #: TICKET #: DISPATCHER NAME! gned by the truck d ED IN THIS VESSEL	WHP II: ROLL OFF BINI ROLL OFF BINI	TRUCK #: 235
- Transpor	COMPANY NAME: SCH TEX MEX ADDRESS: DATE TIME AM RECEIVED: AM The following statement must be sk "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACE DRIVER: MADOX ROAD AUGUL L (TRANSPORTER), CERTIFY THAT THE INFORMATION OF	YARD #: TICKET #: DISPATCHER NAME! goed by the truck d ED IN THIS VESSEL	WHP II: ROLL OFF BINI ROLL OFF BINI SINCE LOADING OF MATERIA DRIVER'S SIGNATURE: ROLL OFF BINI SINCE LOADING OF MATERIA DRIVER'S SIGNATURE:	TRUCK #: 235
- Transpor	COMPANY NAME: SCH TEX MEX ADDRESS: DATE TIME AM RECEIVED: AM The following statement must be ske "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACE ORIVER: MADDY RULE (Driver Thams Princip) & (TRANSPORTER), CERTIFY THAT THE INFORMATION OF TO BE COMP	YARD #: TICKET #: DISPATCHER NAME: gned by the truck d ED IN THIS VESSEL SIVEN ON THIS MANU PLETED BY OWL LA	WHP II: ROLL OFF BINI INVERTION TO UNLOADING OF MATERIA DRIVER'S SIGNATURE: PEST IS TRUE AND ACCURATE TO NDFILL EMPLOYEES	TRUCK #:
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3 - Disposal Facility Part 2 - Transpor	COMPANY NAME: SCALE TAX MEX ADDRESS: DATE TIME AM RECEIVED: AM RECEIVED: AM The following statement must be sk "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACE DRIVER: ABDOWN Unwell's Marne Printidity L (TRANSPORTER), CERTIFY THAT THE INFORMATION OF TO BE COMP FACILITY RECEIVED AT (Check One): Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252 ACCEPTANCE TESTING PAINT FILTER: PASS FAIL N/A TCLP: PASS FAIL N/A TCLP: PASS FAIL N/A TCLP: PASS FAIL N/A	PLETED BY OWL LA DATE:	WHP II: ROLL OFF BINN ROLL OFF BINN INVER'S SIGNATURE: PEST IS TRUE AND ACCURATE TO NDFILL EMPLOYEES PEST IS TRUE AND ACCURATE TO PEST IS TRUE AND ACCURATE TO NDF IS TRUE AND ACCURATE TO PEST IS TRUE AND ACU	TRUCK #:
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Page 71 of 251		38	L Landfill Ser B9 Maple Ave, Dallas, TX 75 505.231.12 ar@ndblandfil	Suite 300 5219 112	COMPANY MAI SIGNATURE COMPANY MAI	N EMAIL: .			MANIFEST # 0372670)
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	5	Water Based Cuttings (D		Vater Based Cutting			intaminated Soil		roduced Sands	-
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	ē	Oil Base Mud		Vater Base Mud			uds w/Cement	D 74	ink Bottoms	
	ÿ	Rig Trash	O P	W Liners		Author	orize Washout?	T Yes	FTNo	
		Otheri					Detroit and the same should be	1	and the second	
-8	E	I hereby certify that according to the is in Check the appropriate classification	Nesource Conservation a ni	nd Becovery Act (BCBA)	and the US Environm	sental Probe	ction Agency's Aily 1988 P	egulatory determina	tion, the above described waste load	4
	Lan	CHICKA EXEMPTI	Oilfield wastes generation of a period		exploration and pro	duction op	erations and are not mit	ed with non-exem	pt waste (NDBL Accepts	
		C RCRA NON-EXEMPT:							etitics established in RCRA	
							y 40 CFPL part 201, subp priate items as provided		The following documentation	
			SDS Information	C BCRA Hazardo	ius Waste Analysis	CI Pro	cess Knowledge	Other (Provide D	escription Below)	
		C EMERGENCY NON-OILFIELD						: Safety (the order, o	documentation of non-hazardous	
				and a description of th						
		Print) Authorized Agent's Name			Data		Bipature		_	
							SENERATOR 15 PRE		New South Street Street	
		COMPANY NAME	ce prac		Contraction of the state of the					
	3.	ADDRESS;			TICKET #1		ROLL OFF BI		TRAILER # 527	-
8	Indension		IME IECEIVED:		DISPATCHER NAME:			DISPATCI PHONE #		
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	4	"I CERTIFY THAT NO OTH	IER MATERIAL HA	S BEEN PLACED	IN THIS VESSEL	SINCEL	OADING OF MATE	RIAL DESCRIBE	D IN PART 1 ABOVE."	
	7 MBL	DRIVER: Carnetta	and and a solid state of a last of some series		!	DRIVER'S	SIGNATURE:	CH2		
ć	Č	I, (TRANSPORTER), ((Driver's Name Prie CENTIFY THAT THE N	NEORMATION GIVE	IN ON THIS MAN	FEST IS TI	RUE AND ACCURATE	TO THE BEST OF	MY KNOWLEDGE	
	1			TO BE COMPLET	TED BY OWL LA	NOFILL	EMPLOYEES		Contraction of the local distance of the loc	۳.
И		FACILITY RECEIVED AT (Check	k One'r		DATE	1131	2 TIME IN:	-210	AMOPA	
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ed by O	0	This is to certify that	Enjstoye	e (Printed Name)					d all acceptances testing of this red manner at a permitted site.	:
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Page 72 of 25.		OWL Landfill Services, LLC DitA forthern Orleanest Basic Landfill 3889 Maple Ave. Suite 300 Dallas, TX 75219 505.231.1212 ar@ndblandfill.com	COMPANY MAN SIGNATURE COMPANY MAN COMPANY MAN	PHONE:	NE 0372671
		COMPANY NAME: XTO		DATE: 11-17-2	
		LEASE: PLU 2080 124H		PHONE:	
		AFE #: P.O. 1030358 318 API: 30-0/5-3	\$3:342	QUANTITY:	BBLS
		RIG NAME: 043 24016 3:364 WELL #50	166621100	52	20 -
		STATE & COUNTY ORIGIN:			20 I YARDS
		Waste Description (check only one box)	RCRA Exe	mpt []	RCRA Non-Exempt
	5	Water Based Cuttings (DRY) Water Based Cuttings		Contaminated Soil	Produced Sands
	at	Oil Based Cuttings (DRY) Oil Based Cuttings (W	12022012	Injectable Fluids	Non-Injectable Fluids
	Jer	Oll Base Mud Water Base Mud		Muds w/Cement	Tank Bottoms
	- Generator	Rig Trash D Pit Liners		Australia Markerit	D W D W
		Other:		Authorize Washout?	Yes E'No
	11	¹ Therefy certify that according to the Resource Conservation and Recovery Act (RCRA) a is (Check the appropriate classification).	ind the US Environm	ental Protection Agency's July 1968 n	guistory determination, the above described watta load
	Part	CHERA EXEMPT: Otheld wastes generated from oil and gas es certifications on a per load basis only	oploration and pro-	fuction operations and are not mix	ed with non-exempt waste (NDBL Accepts
		D ROLA NON-EXEMPT: Olifield waste which is non-hazardous that d			ardous by characteristics established in RCRA
		regulations, 40 CFR 261.21-261.24, or listed b demonstrating the waste as non-hazardous t			r1D, as amended. The following documentation
		🖸 SDS Information 🛛 🗖 RCRA Hazardos	as Waste Analysis	Process Knowledge	3 Other (Provide Description Below)
		E LMERCENCY NON-OIL/IELD	te that has been on	depend for this Consistence of Public	Safety (the order, documentation of non-hazardous
		waste determination and a description of the			
	1	Prest) Authorized Agent's Name	Date	Bighature	
		TO BE COMPLETED BY THE TRAN	SPORTER WHI	LE THE GENERATOR IS PRE	SENT
	rter	COMPANY NAME Som Tex Mex	YARD #:	WHP #:	TRUCK # 03
	ē	ADDRESS:	TICKET #1		
	S	DATE TIME AM	DISPATCHER		DISPATCHER
	- Transport	RECEIVED: PM	NAME:		PHONE #:
	Ξ.	The following statement must be signed "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IP			
	Part 2	DRIVER: Cornelia Remod		DRIVER'S SIGNATURE	(CW
	Pai	(Driver's Name Printes))			0
		L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVE	ARE STREET	THE R. L. LEWIS CO., LANSING MICH.	TO THE BEST OF MY KNOWLEDGE
		TO BE COMPLET	ED BY OWL LA	NDFILL EMPLOYEES	2:21
Received by OCD: 1/23/2025 7:25:16 AM	Disposal Facility	FACILITY RECEIVED AT (Check One):	DATE: 11/1	TIME IN: -	2.4 AM/PM AM/PM
5:10	0	Northern Delaware Basin Landfill		WASHOUT BY	Sector and the sector of the
5 7:2		2029 W. NM Highway 128 Jal, New Mexico 88252		WASHOUT: TIME	IN: TIME OUT
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0C1	m	SERVICE NOTES:	MCID	s	Gallon Test
'by	Part	This is to certify that:Employee (Printed) (arree)			in, waste has passed all acceptances testing of this ed of in an authorized manner at a permitted size.
ived	0	EMPLOYEE SIGNATURE:	235	and some the reserve sold before and the	and an one and an analyzing many order and the state of the property of the state.
lece		White Copy: Disposal Facility	Yellow: Tran	uporter Pink: Generate	96
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Page 73 of 25.		OWL Landfill Serv DAA Murthern Delaware Real 3889 Maple Ave. St Dallas, TX 752 505.231.121 ar@ndblandfill.	ulte 300 SIGNATU 119 COMPAN	Y MAN PHONE:	0372672
		COMPANY NAMES BO 1944		DATE:	1
		LEASE:	State State	PHONE:	
		AFE #: 103/19/24/01/16/14	30.0/5- 5324 (C/ULD)	E S. D. MARTHER F. T.	BBLS
		RIG NAME:	WELL #		
		STATE & COUNTY ORIGIN:			
	2	Waste Description (check only one box)		A Exempt	RCRA Non-Exempt
	8		ter Based Cuttings (WET) Based Cuttings (WET)	Contaminated Soli	Produced Sands Non-Injectable Fluids
	era		ter Base Mud	Muds w/Cement	Tank Bottoms
	Generator	🗖 Rig Trash 🔲 Pit	Uners		
		Other Other thereby certify that according to the Resource Conservation and		Authorize Washout?	Yes No
	Part 1	is (()pack the appropriate classification)			
	Pa	ROIA EXEMPT: Oilfield wastes generate certifications on a per lo		nd production operations and are not m	ixed with non-exempt waste (NDBL Accepts
		C RCRA NON-EXEMPT: Official weste which is regulations, 40 CFR 251	ion-hazardous that does not exc .21-261.24, or listed hazardous v	eed the minimum standards for waste h aste as defined by 40 CFR, part 261, sub-	stantious by characteristics established in RCRA sart D, as amended. The following documentation
				(Check the appropriate items as provide	
			ous, non-oilfield waste that has i ad a description of that waste mu		ic Safety tithe order, documentation of non-hazardous
		Print) Authorized Agent's Name	Dele	Sgrature _	
	-	TO BE COMPLET	D BY THE TRANSPORTER	WHILE THE GENERATOR IS PR	ISENT
	B	COMPANY NAME DEM/CX Mey		WHP #:	
	- AL		YARD #:	the second	
	ă	ADDRESS	TICKET	ROLL OFF B	TRUCK #:
	anspo	ADDRESS:		ROLL OFF B	
	2 - Transporter	CERTIFICITIVE THE STATES MANUAL TARS	TICKET	ROLL OFF B	TRUCK #:
	rt 2 - Transpo	ADDRESS:	TICKET	ROLL OFF B	TRUCK #:
	Part 2 - Transpo	Consolia Pro del	TICKET I AM DISPATO PM NAME: t must be signed by the to BEEN PLACED IN THIS VE	ROLL OFF B HER Uck driver <u>prior</u> to unloading at SSEL SINCE LOADING OF MATI DRIVER'S SIGNATURE:	TRUCK #:
	Part 2 - Transpo	DRIVER: CONNELS PERMAPET	TICKET I AM DISPATC PM NAME: t must be signed by the to BEEN PLACED IN THIS VE BORMATION GIVEN ON THIS	ROLL OFF B HER Uck driver <u>prior</u> to unloading at SSEL SINCE LOADING OF MATI DRIVER'S SIGNATURE:	TRUCK #:
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.16 AM	Part 2	DRIVER: COVINE/IS PEringe/ (Univer's Name Prints 4, (TRANSPORTER), CERTIFY THAT THE INF FACILITY RECEIVED AT (Check One):	TICKET (AM DISPATC PM NAME: t must be signed by the to BEEN PLACED IN THIS VE ORMATION GIVEN ON THIS TO BE COMPLETED BY OV	ROLL OFF B HER Uck driver <u>prior</u> to unloading at SSEL SINCE LOADING OF MATI DRIVER'S SIGNATURE: MANIFEST IS TRUE AND ACCURAT.	TRUCK #:
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y OCD: 1/23/2025 7:25:16 AM	3 - Disposal Facility Part 2	CONVERI CONVERI A, (TRANSPORTER), CENTIFY THAT THE UNIT FACILITY RECEIVED AT (Check One): Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexil ACCEPTANCE TESTING: PAINT FILTER PASS TCLP: PASS TCX: PASS SERVICE NOTES:	TICKET (AM DISPATC NAME: T must be signed by the to BEEN PLACED IN THIS VE ORMATION GIVEN ON THIS TO BE COMPLETED BY OV DATE: CO 88252 FAIL N/A NORM FAIL N/A NORM	ROLL OFF B HER Uck driver prior to unloading at SSEL SINCE LOADING OF MAT DRIVER'S SIGNATURE: MANIFEST IS TRUE AND ACCURAT. VI LANDFILL EMPLOYEES UMASHOUT BY: WASHOUT BY: WASHOUT: TIME Shake Out 1 2	TRUCK #:
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COMPANY NAME: XTD 321,553,311 DATE: LEASE: AV 20 BD 124 H AFE #: MTP2:000163.624 API: 30-015,63,9412 OUANTITY: BBLS RIG. NAME: CLARAZITORI WELL #: 1241 H OUANTITY: BBLS STATE & COUNTY ORIGIN; WELL #: 1241 H VARDS Master Description (check only one box) RCRA Exempt RCRA Non-Exempt Produced Sands Oil Based Cuttings (DRV) Water Based Cuttings (WET) Contaministed Soll Produced Sands Oil Based Cuttings (DRV) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids Oil Based Cuttings (DRV) Oil Based And Mods w/Cement Tank Bottoms Other Authorize Washout? Yes Non- The law on the according to the Resource Conservation and Recovery Ast (RCRA non-exempt waste (ROBL Accepts content waste hazardous waste actification: Non- Infinitional waste which is non-masterion and production operations and are notword with non-exempt waste (ROBL Accepts content about action is and gas exploration and production operations and are notword with non-exempt waste (ROBL Accepts content about action is and actions of the anatous waste actification of the avaite acting of the avaste mast exemprinter in a dag
TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME:
Construction from the interview of the interview

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Page 75 of 251		OWL Landfill Services, LLC Dallas, TX 75225 214.292.2011 ar@indblandfill.com OWL Conference of the							
		COMPANY NAME: X.T.O. 22 155 83 18 DATE:							
		LEASE: PAU 20 BD 124 H PHONE:							
		AFE #: 0/1/ 21/01/09/08/1/ API: 30-015-5321/2 QUANTITY: 20 0 BBLS							
		RIG NAME: 1666211001 WELL #: 1211 H							
		STATE & COUNTY ORIGIN: ACADY PARDS							
	1.	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt							
	b	Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soil Produced Sands							
		Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Directable Fluids Non-Injectable Fluids							
	Ë	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms Pit Liners							
¢	- Generator	Pit Liners Authorize Washout? Yes Yes							
		Thereby centry that according to the Resource Conservation and Receivery Act (IICEA) and the US Enstronmental Protection Agency's July 1988 regulatory determination, the above described waste load							
	Lan	Is (Check the appropriate classification) C INCRA EXEMPT Olifield waster generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NOBI, Accepts)							
G		certifications on a per load basis only:							
- 644		BCRA NON-EXEMPTI Orifield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CPR 261, 21-261, 24, or listed hazardous waste as defined by 40 CPR, part 261, subpart D, as amended. The following documentation							
		demonstrating the watte as now hazandous is attached. (Check the appropriate items as provided) S05 Information RCRA Hazandous Waste Analysis Process Knowledge Other (Provide Description Balow)							
		EMERGENCY NON-OILFIELD: Emergency non-hazandous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazandous weste determination and a description of that waste must accompany this form)							
		Photel Authonized Agent's Name Data Data Departure							
		TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT							
-	9	COMPANY NAME: START TEX MICK & YARD #: WHP #: TRUCK #: 51							
3	2	ADDRESS: TICKET #: ROLL OFF BIN#: TRAILER #: 222							
	2	DATE TIME AM DISPATCHER DISPATCHER							
Transact C trad		RECEIVED: PM NAME: PHONE #: HONE #:PHONE #:							
		"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."							
t		DRIVER_ Lilbert HAMACH DRIVER'S SIGNATURE							
6	Ľ	(Driver's Name Printed) L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE							
-	-	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES							
		FACILITY RECEIVED AT (Check One): DATE: 91124 TIME IN: 212 AM / PA							
AM		TIME OUT: AM / PM							
5:16 AM	3	Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252							
		WASHOUT: TIME IN: TIME OUT:							
		ACCEPTANCE TESTING: PAINT FILTERE PASS FAIL N/A NORM Shake Out							
1/23/2025		TELP. PASS FAIL N/A TESTING: 1 2 3 2100 200							
		TOX: PASS FAIL N/A H20							
0 CD T		SERVICE NOTES: Gallon Test:							
lby (5	Implayee (Printed Name) has reached the above indicated waite, waite has persed all acceptances testing of this facility and the waite has been disposed of in an authorized manner at a permitted site.							
Received by OCD:									
sce	White Copy: Disposal Facility Yellow: Transporter Pink: Generator								

of 251	OWL Landfill Services, LLC COMPANY MAN. Day Company MAN. Day Company MAN.
Page 76 of 25.	Introduction I
1	COMPANY NAME: XTO QX1555318 DATE:
	LEASE LAU 27 BD 124 14 PHONE
	AFE # 1911 210163 464 API: 30-015-53212 QUANTITY: 20 0 BBLS
	RIG NAME: 11/14/21/00/ WELL #: 1-21/14
	STATE & COUNTY ORIGIN: Fdd/
	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
5	
Ť	Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids
je l	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms
Generator	Rig Trash Pit Liners Authorize Washout? Yes Yes
	Other: Authorize Washout? Yes Vor Intervety certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load
Part 1	In (Check the appropriate classification)
Pa	RCRA EXEMPT: Olifetil wastes generated from nil and gas exploration and production operations and are not mixed with non-exempt waste OVDBL Accepts certifications on a per load basis only!
	PCRA NON-EXEMPT: Oilfield waste which is non-hazandous that does not exceed the minimum standards for waste hazandous by characteristics established in RCRA regulations. 40 CFR 26121-261.24 or listed hazandous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazandous is attached. (Ehrick the appropriate items as provided)
	🗅 SDS Information 🔄 RCRA Hazardous Waste Analysis 📋 Process Knowledge 📋 Other (Provide Description Below)
	Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-bazardous waste determination and a description of that waste must accompany this form)
	(Print) Authoritand Agent's Name Date Separate
100	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
ter	COMPANY NAME SCOTT TOX DICK YARD #: WHP #: TRUCK #: 57
i i	ADDRESSI TICKET #: ROLL OFF BIN#: TRAILER #: 0237
lsu	DATE TIME AM DISPATCHER DISPATCHER
Transpor	RECEIVED: PM NAME: PHONE #: HONE #:PHONE #:PHONE #:PHONE #:PHONE #:PHONE #:PHONE #:
	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
Part 2 -	DRIVER: Cilbert Mand DRIVER'S SIGNATURE:
2	(Driver's Name Printed) I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
(and the second	TO BE COMPLETED BY OWL LANDFUL EMPLOYEES
-	
¥.E	FACILITY RECEIVED AT (Check One): DATE: TIME IN: AM / PM
aci	Northern Delaware Basin Landfill WASHOUT BY
1.25	2029 W, NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME INTIME OUT:
053	
1/23/2025 7:25:16 AM Disposal Facility	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A NORM Shake Out: 7676006
	TOX: PASS FAIL N/A H,O
8m	SERVICE NOTES: Gallon Test:
Part.	This is to certify that:
Received by OCD: Part 3 -	EMPLOYEE SIGNATURE:
ecei	White Copy: Disposal Facility Yellow: Transporter Pink: Generator
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Page 77 of 251	OWL Landfill Services, LLC OBA Northern Defense Ratio Landfill 8201 Preston Rd., Suite 520 Dallas, TX 75225 214,292,2011 ar@ndblandfill.com	SIGNATURE		MANIFEST # 0350496	
	COMPANY NAME: X 10 0301551315		DATE:		
	LEASE: 120,20 BD 12111	a secondario	PHONE:		
	AFE #: 2401 24016364 / APE 30-01		QUANTITY:	BBLS	
	RIG NAME: 1416211001				
	STATE & COUNTY ORIGIN:		-	VARDS	
1	Waste Description (check only one box)	RCRA Exemp	ot 🔲 RCI	RA Non-Exempt	
ò	Water Based Cuttings (DRY) UNAter Based Cutting	gs (WET)	Contaminated Soil	Produced Sands	
Generator	Oil Based Cuttings (DRY) Oil Based Cuttings (NOTES 1.	Injectable Fluids	Non-Injectable Fluids	
ne	Oll Base Mud Water Base Mud		Muds w/Cement	Tank Bottoms	
	Rig Trash Pit Liners Other:		Authorize Washout?	Yes No	
-	Thereby certify that according to the Resource Conternation and Recovery Act (ROMA	and the US Environments	Protection Agency's July 1988 regulat	ry determination, the above described waste load	
Part	in (Check the appropriate classification) RCRA EXEMPT: Otherid wastes generated free oil and gas	exploration and product	oun operations and are not mixed at	h non-exempt weste (NOBL Accepts	
â	certifications on a per load basis only)				
	D RCRA NON-EXEMPT: Oilfield weste which is non-hazardous that regulations, 40 CFR 261.21:261.24, or lister	l hazardous waste as def	leved by 40 CFR, part 261, subpart D, r	s by characteristics established in RCRA is amended. The following documentation	
	demonstrating the weste as non-hazardox	and the second		er (Provide Description Below)	
		our mane margan	D models knowledge D on	In throwide Description Below)	
	EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-otheid w waste determination and a description of it			the order, documentation of non-hazardous	
	(Print) Authorized Agent's Name	Oute	Signature		
	TO BE COMPLETED BY THE TRA	NSPORTED WHILE	THE GENERATOR IS PRESENT		
2	COMPANY NAME SIM TEL INCX	to the later of the second statements in the			
	ADDRESS:	TICKET #	ROLL OFF BINE:	TRAILER #: 0237	
sp	DATE TIME AM	DISPATCHER		DISPATCHER	
Transpor	RECEIVED: RECEIVED: PM	NAME			
E	The following statement must be signed by the truck driver prior to unloading at disposal facility:				
"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN					
ġ	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED	ed by the truck driv IN THIS VESSEL SIP	CELOADING OF MATERIAL	PHONE #:	
Part 2-		ed by the truck driv IN THIS VESSEL SIP		PHONE #:	
Part 2 -	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED	ed by the truck driv IN THIS VESSEL SIP Drif	VER'S SIGNATURE:	PHONE #:	
Part 2-	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER:	ed by the truck driv IN THIS VESSEL SIP Drif	ICE LOADING OF MATERIAL VER'S SIGNATURE:	PHONE #:	
A 10	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER:	ed by the truck driv IN THIS VESSEL SIP DRI EN ON THIS MANIFES	ICE LOADING OF MATERIAL VER'S SIGNATURE: T IS TRUE AND ACCURATE TO TO FILL EMPLOYEES TIME IN:	PHONE #:	
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2	CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER: DRIVER: CONVERSION OF THE INFORMATION GIV TO BE COMPLE FACILITY RECEIVED AT (Check One): ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A TCLP: PASS FAIL N/A	IN THIS VESSEL SIP DHI EN ON THIS MANIFES TED BY OWL LANC DATE NORM TESTING	RCE LOADING OF MATERIAL VER'S SIGNATURE:	PHONE #:	
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A 10	I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER:	IN THIS VESSEL SIP DHI EN ON THIS MANIFES TED BY OWL LAND DATE: NORM TESTING: illess than 50 NCII)	RCE LOADING OF MATERIAL VER'S SIGNATURE: T IS TRUE AND ACCURATE TO TO FILL EMPLOYEES TIME IN: TIME IN: TIME OUT: NASHOUT BY: NASHOUT BY: NASHOUT DY: Shake Out: 1 2 3	PHONE #: AND FART 1 ABOVE," THE BEST OF MY KNOWLEDGE AM / PM AM / PM TIME OUT: Callon Test:	
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CD: 1/23/2025 7:25:16 AM 3 - Disposal Facility	I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER:	IN THIS VESSEL SIP DHI EN ON THIS MANIFES TED BY OWL LAND DATE DATE UNDRM TESTING: iless than 50 MCIII Nation	RCE LOADING OF MATERIAL VER'S SIGNATURE: T IS TRUE AND ACCURATE TO THE FILL EMPLOYEES TIME IN: TIME IN: TIME OUT: NASHOUT BY: NASHOUT BY: NASHOUT BY: NASHOUT TIME IN: Shake OUT: TIME IN: TIME IN: NASHOUT BY: NASHOUT IN: TIME IN:	PHONE #: Asal facility: DESCRIBED IN PART 3 ABOVE." HE BEST OF MY KNOWLEDGE AM / FM AM / PM TIME OUT: Callon Test: The has presed all acceptances bedrag of the	

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Page 78 of 251	OWL Landfill Services, LLC Idea to the model and the Solution of the services and the services and the Solution of the services and the services and the Solution of the services and the services and the services							
	COMPANY NAME: X TD D3C155 X S1 & DATE:							
- Generator	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soil Produced Sands Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids Oil Based Mud Water Base Mud Muds w/Cement Tank Bottoms Rig Trash Pit Liners Authorize Washout? Yes							
Part 1	Thereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above detailed waste lead is (Check the appropriate classification) In RCRA EXEMPT. Otifield wastes generated from util and gas explorations and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only) In RCRA EXEMPT. Otifield wastes generated from util and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only) In RCRA HON-EXEMPT: Otifield wastes which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 251 21 - 261 34, or listed hazardous twiste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste is non-hazardous that check the appropriate terms as provided) In SDS Information In RCRA Hazardous Waite Analysis Process Knowledge Other (Provide Description Below)							
	EMERGENCY NON-OILFIELD: Emergency non-hatardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form) Privit Adherized Apert's Name Date Separate							
-	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT							
rter	COMPANY NAME CONTEX PART VARD #: WHP #: TRUCK #: 7							
<u></u>	ADDRESS: TICKET #: ROLL OFF BIN#: TRAILER #: 2237							
Trainspo	DATE TIME DISPATCHER DISPATCHER DISPATCHER PHONE #:							
Part 2 - 1	The following statement must be signed by the truck driver prior to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE." ORIVER: DRIVER'S SIGNATURE:							
Pal	(Oviver's Name Printed) I. (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE							
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES							
AM Iity	FACILITY RECEIVED AT (Check One): DATE: 9321/ TIME IN: 1200 AM / PM							
	Northern Delaware Basin Landfill WASHOUT BY							
sal Facility	2029 W. NM Highway 128 Jul, New Mexico 88252 WASHOUT: TIME IN: TIME OUT:							
1/23/2025 7:2 Disposal	ACCEPTANCE TESTING: PAINT FILTER: PASS_FAIL_N/A TCLP: PASS_FAIL_N/A TOX: TOX: PASS_FAIL_N/A TOX: PASS_FAIL TOX: PASS_FAIL_N/A TOX: PASS_FAIL_N/A TOX: PASS_FAIL_							
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1/23/2025 7:2 Disposal	2029 W. NM Highway 128 Jat, New Mexico 88252 WASHOUT: TIME IN: TIME OUT: ACCEPTANCE TESTING: PAINT FILTER: PASS_FAIL N/A TCLP: PASS_FAIL N/A TOX: PASS_FAIL N/A Bens than 50 MCI0 MCI0 McI0							
20: 1/23/2025 7:2 3 - Disposal	2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME IN: TIME OUT: ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A TCLP: PASS FAIL N/A TOX: PASS FAIL N/A SERVICE NOTES: MCT0 H_3O Gallon Test:							

Page 79 of 251		L Landfill Services, LLC Obt. Northern Delenses Back Landfil 889 Maple Ave. Suite 300 Dallas, TX 75219 505.231.1212 ar@ndblandfill.com	COMPANY MAN SIGNATURE: COMPANY MAN COMPANY MAN	EMAIL:	MANIFEST #
1 - Generator	RIG NAME: SC-16.0 STATE & COUNTY ORIG Waste Description (che Waster Based Cuttings (DRY OII Base Mud Big Trash Other:	RY) UNITED Water Based Cu Oil Based Cuttin Water Base Mud Pit Liners Besource Conservation and Recovery Act 8	#: <u>9 9016368</u> CRA Exer Ttiogs (WET) bgs (WET) 1	PHONE: QUANTITY: G 9 mpt R Contaminated Soll Injectable Fluids Muds w/Cement Authorize Washout?	
Part 1	C EMERGENCY NON-OKFIELD:	Otheid wastes generated from oil and certifications on a per load basis only! Offield waste which is non-hazardous regulations, 10 CFR 201.211.261.24, ori demonstrating the waste as non-hazar 0 SDS information 0 RCRA Hazardous	I that does not exceed the listed hazardous waste at o erdows is attached. (Check t wardous Waste Analysis id waste that has been ord	renomen standards for waste hazard tefined by 40 CFR, part 261, subpart 0 De appropriate items as provided) Di Process Knowledge Di O tered by the Department of Public Saf	with non-exempt weate (NDBL Accepts ous by characteristics established in RCRA Lat amended. The following documentation ther (Provide Description Below) ety (the order, documentation of non-hazardous
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ter	COMPANYNAME SOL	"tex Mex			TRUCK # 10
		I TEA WITA	TAND IS	AALIN, M.	TRUCK # 1 ST
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Iods	ADDRESS:	and the second	TICKET #:	ROLL OFF BIN#:	TRAILER #:
ranspoi	ADDRESS:		DISPATCHER	ROLL OFF BINK:	TRAILER #: DISPATCHER PHONE #: 939-209-085
Part 2 - Transpor	ADDRESS:	TIME AM RECEIVED: PM	TICKET #: DISPATCHER NAME: Igned by the truck dr IED IN THIS VESSEL S	ROLL OFF BINA:	TRAILER #: DISPATCHER PHONE #: 939-209-085 posal facility: L DESCRIBED IN PART 1 ABOVE? Control of the part 1 above?
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y	ADDRESS:	INME AM RECEIVED: AM Following statement must be si HER MATERIAL HAS BEEN PLAC Rect at or Onivers Name Printed Centrify THAT THE INFORMATION TO BE COMM k One): Sin Landfill 128 Jal, New Mexico 88252 NT FILTER: PASS FAIL N/A P: PASS FAIL N/A	TICKET #: DISPATCHER NAME: <u>AACA</u> Igned by the truck dr ID IN THIS VESSEL S D GIVEN ON THIS MANNE PLETED BY OWL LAN DATE: <u>9</u>	ROLL OFF BINA:	TRAILER #: DISPATCHER PHONE #: <u>939-909-085</u> . Sosal facility: L DESCRIBED IN PART 1 ABOVE" Contracts THE BEST OF MY KNOWLEDGE
y	ADDRESS:	INME AM RECEIVED: AM Following statement must be si HER MATERIAL HAS BEEN PLAC Rect at err (Drivers Name Printed) CENTIFY THAT THE INFORMATION TO BE COMI k One): Sin Landfill (28 Jal, New Mexico 88252 NT FILTER: PASS FAIL N/A P: PASS FAIL N/A	TICKET #: DISPATCHER NAME: Igned by the truck dr ED IN THIS VESSEL S D GIVEN ON THIS MANN PLETED BY OWL LAN DATE:	ROLL OFF BINE Wer grigg to unloading at disy INCE LOADING OF MATERIA RIVER'S SIGNATURE: 2 EST IS TRUE AND ACCURATE TO IDFILL EMPLOYEES 	TRAILER #: DISPATCHER PHONE #: <u>439-309-085</u> Sosal facility: L DESCRIBED IN PART 1 ABOVE: Constant of My KNOWLEDGE THE BEST OF MY KNOWLEDGE THE BEST OF MY KNOWLEDGE
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Page 80 of 251	OWL Landfill Services, LLC Data Northern Delevante Basin Landfill Data Northern Delevante Basin Landfill (Authorited Agent's Provid By Fd) (Authorited Agent's Provid By Fd) (Authorited Agent's Provid File)								
Page 8	8201 Preston Rd., Suite 520 SiGNATURE 0343416 Dallas, TX 75225 214.292.2011 COMPANY MAN EMAIL 0343416 ar@ndblandfill.com COMPANY MAN PHONE 0343416								
	COMPANY NAME: $X \neq 0$ DATE: $9 - 3 - 29$								
	LEASE: PLUQUBDIQYH PHONE:								
	AFE Project: 03C1558318 API: 30-015-53242 QUANTITY: BBLS								
	RIG NAME: WELL & C-166621100								
	STATE & COUNTY ORIGIN/DeidentinAPP2401636864								
	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt								
5	Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soil Produced Sands								
龍	Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids								
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Generator	Rig Trash Pit Liners Authorize Washout? Yes								
	Authorize Washout? Yes LaNo Investige the Resource Contervation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load								
Part 1	In ICheck the appropriate classificational								
Pa	ICFA EXEMPT: Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (HDBL Accepts certifications on a per load basis only)								
	BCBA NON-EXEMPT: Olifield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in BCBA regulations, 40 CFB 261.21-261.24, or listed hazardous waste as defined by 40 CFB, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)								
	🖸 SDS Information 👘 RCAA Hazardous Waste Analysia 📋 Process Knowledge 📋 Other (Provide Description Below)								
	EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste detarmination and a description of that waste must accompany this form)								
	IPrintl Authorited Agent's Name Date September								
1	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT								
ter	COMPANY NAME: SENTEXMEX YARD #: WHP #: TRUCK #: 37								
ò	ADDRESS: TICKET #: ROLL OFF BIN#: TRAILER #: 0304								
	DATE TIME AM DISPATCHER DISPATCHER								
ē	RECEIVED: RECEIVED: PM NAME: Willy Wieler PHONE # 932-209-085-1								
Part 2 - Transport	The following statement must be signed by the truck driver prior to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."								
ť	DRIVER: CORIN Reimer DRIVER'S SIGNATURE ber & Simer								
Pa	Driver's Name Printed I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE								
rine.	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES								
	912/01/ ////								
2£	FACILITY RECEIVED AT (Check One): DATE: TIME IN: AM / PM								
5:16 AM Facility	Northern Delaware Basin Landfill Wassurgert By								
	2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT: TIME IN: TIME OUT:								
1/23/2025 7:25:16 AM Disposal Facility	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A NORM Shake Out: 0108137								
	TOXI PASS FAIL N/A H,O								
8m	SERVICE NOTES: 5 Gallon Test:								
Received by OCD: Part 3 -	This is to certify that: temployee (rented Name) Prove received the above indicated wate, wate has passed all acceptances testing of the facility and the waste has been disposed of in an authorized manner of a permitting size.								
eive	EMPLOYEE SIGNATURE								
Rec	White Copy: Disposal Facility Yellow: Transporter Pink: Generator								

Page 81 of 251	OWL Landfill Services, LLC Disk territors Delivase that Landfill Services, LLC Disk territors Delivase that Landfill Son Preston Rd., Suite 520 Dallas, TX 75225 214,292,2011 ar@ndblandfill.com Ompany Man Phone Ompany Ompany
Dott 1. Concepture	COMPANY NAME: X T O LEASE: PLO20 BD124 H LEASE: PLO20 BD124 H AFE Poject:03CISEC318 API: 30-015-53249 RIG NAME: WELL #SCIL66621100 STATE & COUNTY ORIGIN: ////////////////////////////////////
	EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)
Transmostor	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME Sent TeX Mex YARD #:
25:16 AM	
Received by OCD: 1/23/2025 7:	ACCEPTANCE TESTING PAINT FILTER PASS FAIL N/A TCLP: PASS FAIL N/A TOX: PASS FAIL N/A SERVICE NOTES: This is to certify that: Employee (Prinfed Name) Employee (Prinfed Name) Employee (Prinfed Name)
Receive	EMPLOYEE SIGNATURE:

Page 82 of 251	OWL Landfill Services, LLC OWL Landfill Services, LLC OBA Number Deleases hash Landfil 8201 Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com	COMPANY MAN. Dec Vic/ R. Holds SIGNATURE: COMPANY MAN EMAIL: COMPANY MAN PHONE:								
	COMPANY NAME: ATO LEASE: PLU 20 BD 124 H	DATE: <u>7-3-24</u> PHONE:								
	AFE Project: 03C 1552 3/ Apt 30-0 15-0									
	RIG NAME: WELLERS	21666621100/ 21636420_ 🗹 VARDS								
	Waste Description (check only one box)	RCRA Exempt RCRA Non-Exempt								
5	Water Based Cuttings (DRY) Water Based Cutting									
te	Oil Based Cuttings (DRY) Oil Based Cuttings (V	WET) Injectable Fluids Non-Injectable Fluids								
ne	Oil Base Mud Water Base Mud	Muds w/Cement Tank Bottoms								
- Generator	Rig Trash Pit Liners Other;	Authorize Washout? Yes 27No								
	Thereby certify that according to the Resource Conservation and Recovery Act (ICRA)	and the US Environmental Protection Agency's July 1988 regulatory determination, the above described wasta load								
Part 1	In KEneck the appropriate classification) RERA EXEMPT Cilfield wastes generated from oil and gas of	exploration and production operations and are not mixed with non-exempt wate (NDBL Accepts								
0	Certifications on a per load basis only) D RCRA NON EXEMPT: Diffield waste which is non-hazardous that a	codes not exceed the minimum standards for waste hazardous by characteristics established in SCRA								
	regulations, 40 CFR 261,21-261,24, or listed	d hazardous waste as defined by 40 CFR, part 261, subpart 0, as anonded. The following documentation is a stackhed. Check the appropriate items as provided.								
		ious Waste Analysia 📋 Process Knowledge 📋 Other (Provide Description Below)								
	D EMERGENCY NON-OLFIELD.	aite that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous								
	waste determination and a description of th									
	Print) Automated Agent's Name	Ostr Bystor								
-	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME: $S \subset M \to X \longrightarrow YARD F_1 \longrightarrow WHP F_2 \longrightarrow TRUCK F_1$									
	COMPANY NAME: Sem TEXALEX	YARD #: WHP #: TRUCK #:								
0d	ADDRESS:	TICKET #: ROLL OFF BIN#: TRAILER #: TRAILER #:								
SUB	DATE TIME AM RECEIVED: DM	DISPATCHER NAME: W//// Wie/er- DISPATCHER PHONE #: 932-207-055-/								
Part 2 - Transpor	The following statement must be signer	ed by the truck driver prior to unloading at disposal facility:								
5		IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE								
Jar	(Driver's Name Printed)	DRIVER'S SIGNATURE: Carly John 1								
	I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVE	EN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE								
	TO BE COMPLET	TED BY OWL LANDFILL EMPLOYEES								
NE	FACILITY RECEIVED AT (Check One):	DATE: TIME IN: AM / PM								
S:16 AM Facility	Northern Delaware Basin Landfill	WASHOUT BY								
	2029 W. NM Highway 128 Jal, New Mexico 88252	WASHOUT: TIME IN: TIME OUT:								
257 052										
1/23/2025 7:: Disposal	ACCEPTANCETESTING: PAINT FILTER: PASS FAIL N/A TCLP: PASS FAIL N/A	NORM Shake Out 76690								
	TOXI PASS FAIL N/A	H ₂ O								
8m	SERVICE NOTES:	ILess than 50 S Gallon Test:								
Part	This is to certify that:	 has received the above indicated waste, waste has passed of acceptances testing of this facility and the waste has been disposed of in an authorized manner at a permitted site. 								
ived	EMPLOYEE SIGNATURE:									
SERVICE NOTES: This is to certify that: EMPLOYEE SIGNATURE: White Copy: Disposal Facility Yellow: Transporter Pink: Generator Gallon Tes MCR0										

51	
Page 83 of 25.	OWL Landfill Services, LLC COMPANY MAN Der Vid Byrd MANIFEST #
e 83	004 Northern Delaware Basis Leaded 0201 Departure Del Sultas 520 SIGNATURE:
Pag	Dallas, TX 75225 COMPANY MAN EMAIL
- 1	214.292.2011
	ar@ndblandfill.com
	COMPANY NAME: $X \neq 0$ DATE: $9 - 3 - 29$
	LEASE: PLU20 BB 199H PHONE
	AFE Boject-03C1558318API: 30-0/5-53242 QUANTITY: 00LS
	RIG NAME: WELL & C. 1666 91/001
	STATE & COUNTY ORIGIN/Acident : APP 2401636864 20 20 VARDS
	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
5	Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soil Produced Sands
- Generator	Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Dijectable Fluids Non-injectable Fluids
- E	Oli Base Mud Water Base Mud Muds w/Cement Tank Bottoms
en	Rig Trash Pit Uners
Ģ	Other: Authorize Washout? Ves 2 No
-	Thereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load to Check the appropriate classification)
Part	D RERA EXEMPT Otheld wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste 0xDBL Accepts
à	certifications on a per load basis only)
	COMPLEXEMPT OUBleid wasto which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 201.21-201.24, or listed hazardous waste as defined by 40 CFR, part 201, subpart D, as amended. The following documentation
	demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
	🗅 SDS Information 📄 RCRA Hazandous Waste Analysis 📄 Process Knowledge 🔯 Other (Provide Description Below)
	EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous)
	waste determination and a description of that waste must accompany this format
	Print: Authorized Agent's Nome Date Signature Sig
in.	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
rter	COMPANY NAME: Sept TEX MEX YARD #:
8	ADDRESS: TICKET #I ROLL OFF BIN#: TRAILER #: ?@?@
쫕	DATE TIME AM DISPATCHER DISPATCHER DISPATCHER DISPATCHER PHONE # 422-209-085
E	
Part 2 - Transport	The following statement must be signed by the truck driver prior to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
E	DRIVER CORNY REIMER DRIVER'S SIGNATURE BOLL States
R	(Driver's Name Printed)
27.51	I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
ZZ	FACILITY RECEIVED AT (Check One): DATE: 90/00 TIME IN: 100 M/PM
7:25:16 AM al Facility	Northern Delaware Basin Landfill
5:1	2029 W. NM Highway 128 Lial, New Mexico 88252 WASHOUT BY:
	WASHOUT: TIME IN: TIME OUT:
1/23/2025 7: Disposal	ACCEPTANCE TESTING PAINT FILTER PASS FAIL N/A NORM Shake Out
3/2 5 P	TCLP: PASS FAIL N/A TESTING: 1 2 3 20031
	TOX: PASS FAIL N/A H,O
8m	SERVICE NOTES: Desition S0 5 Gallon Test:
0 T	This is to certify that: has received the above indicated waste, maste has passed at acceptances leating of this
Received by OCD: Part 3 -	EMPLOYEE SIGNATURE: A UNIT A DATA A D
ceiv	White Copy: Disposal Facility Yellow: Transporter Pink: Generator
Re	

Page 84 of 251	(VL Landfill 9 OBA Harihen Delar 1889 Maple Ar Dallas, T> 505.231 ar@ndblan	ve. Suite 300 (75219 1.1212	COMPANY MAI SIGNATURE COMPANY MAI	(Austrialisti Agent's troute		MANIFEST 035737	
	LEASE:	NY NAME: PI.U osect:03	20 BD C15583K	/ <u>9 4 1-1</u> Apr: <u>30 - 0/</u> 5	-53242	PHONE		BBLS	
				001 WELL #: 1t=1,APP9			2		95
	Waste	Description (ch	neck only one b	(xoc	RCRA Exe	mpt	RCRA Nor	n-Exempt	
	5 Dw	eter Based Cuttings ((YIIO)	Water Based Cutti	nga (WET)	-Contaminated S		Produced Sands	
1		Based Cuttings (DR		Oil Based Cuttings		Injectable Fluids		Non-Injectable Fluids	
9		Base Mud		Water Base Mud		Muds w/Cemen		Tank Bottoms	
	0 mg	g Trash	1] Pittinen					
Concertan	0					Authorize Wash		States and the state of the second states of the se	
	I freemaly do	entity that according to th	te Resource Conservat	un and hecurery Act (ACI	(A) and the US Environm	ental Protection Agency's Ju	y 1988 regulatory determ	sination, the above described	I waste load
110	EFICIAL	he appropriate classificat DCEMPT:		energied from oil and o	as exponention and pro-	lution operations and an	and estand with easy as	ampt waste (NOBL Accept	Second Second
ġ				a per load basis only?				and the second second receipt	
	CI RORA	NON EXEMPT:	Oilfield waste wi	hich is non-hazandous th	at closs not exceed the	minimum standards for e	aste hazardous by char	acteristics established in R	CRA
			demonstrating t	Per waste as rich-hazante	out hazardous waste as ous is attached. ICheck	defined by 40 CPR, part 20 the appropriate items as p	 subpart 0, as amond novided) 	ed. The following documer	tation
			SDS informat		dous Waste Analysis	Process Knowledge		le Description Belawl	
	C) KWING	ANCY NON-OLFIELD:	waste determina	hazardous, non-oilheid ition and a description o	waste that has been or I that waste must acco	dered by the Department reparty this form)	of Public Safety (the ord	ler, documentation of non-	haandous
	District Audion	Sent Agent's Name			Date	light light	1977		
			- Contraction of the Contraction		NUMBER OF STREET, STRE	STATE OF BRIDE STATE	Alternations in the second		-
3	Hennessen	<u> </u>			ANSPORTER WHI	LE THE GENERATOR	IS PRESENT		-224
		IY NAME: South	uTeX A	Aex	YARD #:	WHP &	:	TRUCK #:	2
2	ADDRESS	S:	12, 112 P.S. 1983	The Reasonable	TICKET #	ROLL	OFF BINK	TRAILER #:	
	DATE	10	TIME	AM 🔲	DISPATCHER	WELL CLARK STREET	DISPA		1000
1	RECEIVED		RECEIVED:	D PM	NAME: _14/4		and the second se	11 939-90	7-055,
Transmor		The following statement must be signed by the truck driver prior to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."							
C tred	1.00			MAS BEEN PLACE			MATCHIALDESCH	IIII IR PART 1 ABO	
1	DRIVER	Cori	14 Reil	401-	(RIVER'S SIGNATURE	- 00- C	Macs	-
۵		L (TRANSPORTER)	, CERTIFY THAT T	HE INFORMATION GI	VEN ON THIS MAN	FEST IS TRUE AND ACC	URATE TO THE BEST	OF MY KNOWLEDGE	
-	1	adalar and a second second		TO BE COMP	ETED BY OWN LA	NDFILL EMPLOYEES			
19	New Yes			TO BE COMPE	(1)		11/1	1 10	
×	PACILITY	RECEIVED AT (Che	ick One):		DATE:		EIN:	AM / PMA	
S:16 AM	D North	hern Delaware B	asin Landfill			and the second se	EOUT: 4:09		
2:1	2029	W. NM Highway		Mexico 88252		WASHOUT BY:	Property in the second	Num interes	
7:2	1.11.11.11.11					WASHOUT:	TIME IN:	TIME OUT:	
1/23/2025 7:25:16 AM	ACCEPT	ANCE TESTING: P	AINT FILTER: PA	55 FAIL N/A	NORM	Shake	Out	-15-2	
3/2				SS FAIL N/A	TESTING	1 2	110	ordor	<u>yr</u>
		T	DX: PA	SS FAIL N/A		H,O	0	0-000	9
ġ.	SERVICE	NOTES:	221 30	1415	Less than 50 MCRI	S		Gallon Test:	
0		certify that:	1 h	1		as received the above indice	ted waite, watte has no	used all acceptances testing	af this
1 by OC	Survey State	en all and an	1 14	doyee (hinted hame)				orized manner at a permitte	
ved	EMPLOYE	E SIGNATURE:	V	~			and And South Contraction		
Received by OCD:			White Co	py: Disposal Facilit	y Yellow: Trar	sporter Pink G	merator		and the second second
~									

Page 85 of 251	OWL Landfill Services, LLC Disk Horeteen Diskesse fasik Landfil Solar 75225 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com OMPANY MAN PHONE:
	COMPANY NAME: X / 0 LEASE: P(0_20_B0 AFE #: API:30-015-532/2 RIG NAME: WELL #: STATE & COUNTY ORIGIN: WELL #: Waste Description (check only one box) RCRA Exempt
t 1 - Generator	Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soll Produced Sands Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids Oil Base Mud Water Base
Part 1	ACRA EXEMPT. Olifield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (HDBL Accepts certifications on a perioad basis only) IRRA NON-EXEMPT: Olifield wastes which is non-bazerdous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulation, 40 CFR 261;21-261;24, or listed hazardous wate as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demondrating the waste as non-bazardous is attached. (Check the appropriate items as provided) Other (Provide Description Below) EMERGENCY NON-OLFIELD: Emergency non-bazardous, non-olifield waste that has been ordered by the Department of Public Safety (the order, documentation of non-bazardous waste determination and a description of that waste must accompany this form).
orter	IPrint/Authorized Agent's Name Data Signature TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME: Same Tax // O COMPANY NAME: Same Tax // O ADDRESS: TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME: Same Tax // O Tax // O TICKET #: ROLL OFF BIN#: TRAILER #:
Part 2 - Transpo	DATE TIME AM DISPATCHER DISPATCHER DISPATCHER PHONE #: <u>132-281-085</u> The following statement must be signed by the truck driver ptigt to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE." DRIVER: <u>Correct</u> Reister; DRIVER: <u>Correct</u> Reister; DRIVER: <u>Correct</u> Reister;
N	(Driver's Name Printed)
-	L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
y	L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
7:25:16 AM al Facility	L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
Disposal Facility	L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
U23/2025 7:25:16 AM Disposal Facility	L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE TO BE COMPLETED BY OWL LANDFILL EMPLOYEES FACILITY RECEIVED AT (Check One): Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252 ACCEPTANCE TESTING: PAINT FILTEIT: PASS FAIL N/A TCLP: PASS FAIL N/A TOX: PASS FAIL N/A TOX: PASS FAIL N/A

Page 86 of 251	OWL Landfill Services, LLC COMPANY MAN Day of the State and The MANIFEST #
Page 8(DBA Heathern Deleaser Reun Landfell 3889 Maple Ave. Suite 300 Dallas, TX 75219 505.231.1212 ar@ndblandfill.com
	COMPANY NAME: XTO DATE: 955754988 - 50-70-
	LEASE: PLV20BD124H PHONE:
	AFE #: 03015583/8 APE 30-015-53242 QUANTITY: BBLS
	RIG NAME: WELL #: CC/6662//CO/ ZO_ Z-YARDS
	STATE & COUNTY ORIGIN:AU92401636.854
-	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt
Generator	Water flased Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soil Produced Sands Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Non-Injectable Fluids
and	Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms
len	Rig Trash Pit Liners
1.1	
	Develop certify that according to the Resource Conservation and Recovery Act (RCAA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above determined waite load to Check the agency study 1988 regulatory determination, the above determined waite load
Part	BCRA EXEMPT: Oitheld wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)
	RCRA NON-EXEMPT: Offield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or loted hazardous waste at defined by 40 CFR, part 261, subpart D, at amonded. The following documentation
	demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided) SDS Information RCRA Hazardous Waste Analysis RCRA Hazardous Waste Analysis O Process Knowledge O Other (Provide Description Below)
	waste determination and a description of that waste must accompany this form)
	(Previ) Authorized Agent's Name Duty Duty
199	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
ter	
ē	ADDRESS:
SU	DATE TIME AM DISPATCHER DISPATCHER DISPATCHER DISPATCHER
Part 2 - Transport	RECEIVED: RECEIVED: PM NAME: NAME: PHONE #: HONE #:PHONE #:P
à	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."
t	DRIVER: Jan Chicy DRIVER'S SIGNATURE: The Comment
ä	L (TRANSPORTER), CENTIFY THAT THE INFORMATION GIVEN ON THE MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES
	FACILITY RECEIVED AT (Check One): DATE: 9-5-24 TIME IN: 12.0 AM (PM)
AM	TIME OUT: AM / PM -
Disposal Facility	Northern Delaware Basin Landfill 2029 W. NM Highway 128 Jal, New Mexico 88252 WASHOUT BY: TIME IN: TIME OUT: TIME OUT:
25 7 05a	
1/23/2025 7:2 Disposal	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A NORM TCLP: PASS FAIL N/A TESTING: 1 2 1 2 3 20 3 300
	SERVICE NOTES: MORE S Gallon Test
OE	This is to certify that
Part	facility and the wasterion been disposed of in an authorized manner at a permitted site.
Received by OCD: Part 3 -	EMPLOYEE SIGNATURE:
Rec	

Page 87 of 251	OWL Landfill Services, LLC DBA: Marine Detaware Basin Landfill 3889 Maple Ave. Suite 300 Dallas, TX 75219 505.231.1212 ar@ndblandfill.com	COMPANY MAN. VAR. OF MANIFEST #							
	COMPANY NAME: XTO LEASE: Plu Z.O. BD AFE #: API: RIG NAME: WELL #: .								
	STATE & COUNTY ORIGIN:								
100	Waste Description (check only one box)	RCRA Exempt RCRA Non-Exempt							
Generator	Water Based Cuttings (DRY) Water Based Cuttings Oil Based Cuttings (DRY) Oil Based Cuttings Oil Based Mud Water Based Mud Big Trash Pit Liners								
U		Authorize Washout? Yes PNo							
Part 1	I hereby certify that according to the Resource Conservation and Recovery Act (RCNA	U and the US Environmental Protection Agency's July 1988 regulatory determination, the above determined waste load emploration and production operations and are not mixed with non-exempt waste (NDBL Accepts							
	regulations, 40 CFR 261 21-261 24, or lister demonstrating the waste as non-hazardos	t does not exceed the minimum standards for waste hazandous by characteristics established in RCRA d hazandous waste as defined by 40 CFR, part 26 L subpart D, as amended. The following documentation as is attached. (Check the appropriate items as provided) lous Waste Analysis Process Knowledge D Other (Provide Description Below)							
	EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield w waste determination and a description of throughout Autorized Agent's Nerve	pite that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous that waste must accompany this form)							
	A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY.	- un							
ler.	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT								
	COMPANYNAME SENTTEX MOX	YARD #: WHP #: TRUCK #: 53							
	COMPANYNAME SENTTEX MOX	YARD #: WHP #: TRUCK #: 5 3 TICKET #: ROLL OFF BIN#: TRAILER #:							
	COMPANYNAME SENTTEX MOX	YARD #: WHP #: TRUCK #: 53							
- Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS: DATE RECEIVED: AM RECEIVED: PM The following statement must be signed	YARD #: WHP #: TRUCK #: 5 3 TICKET #: ROLL OFF BIN#: TRAILER #:							
- Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS: DATE RECEIVED: AM RECEIVED: PM The following statement must be signed	YARD #: WHP #: TRUCK #: 5 3 TICKET #: ROLL OFF BIN#: TRAILER #: TRAILER #: DISPATCHER DISPATCHER DISPATCHER DISPATCHER NAME: M/1/1/Y W/1-P /wP PHONE #: Y32 709085 ed by the truck driver prior to unloading at disposal facility:							
Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS: DATE TIME AM RECEIVED: PM The following statement must be signed "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER: CUCEY (DRIVER: CUCEY	YARD #: WHP #: TRUCK #: 5 3 TICKET #: ROLL OFF BIN#: TRAILER #: DISPATCHER DISPATCHER DISPATCHER DISPATCHER DISPATCHER NAME: M/1/1/Y W/1-P /wP PHONE #: Y32 709085 ed by the truck driver prior to unloading at disposal facility: IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE?							
- Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS: DATE TIME AM RECEIVED: PM The following statement must be signed "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER: <u></u> <u>Curry</u> (DRIVER: <u></u> <u>Curry</u> (DRIVER: <u></u> <u>Curry</u>) L (TRANSPORTER), CERTIFY THAT THE INFORMATION GRV	YARD #: WHP #: TRUCK #: 5 3 TICKET #: ROLL OFF BINF: TRULER #: TRULER #: DISPATCHER DISPATCHER DISPATCHER DISPATCHER NAME:							
y Part 2 - Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS: DATE	YARD #: WHP #: TRUCK #: 53 TICKET #: ROLL OFF BIN#: TRULER #: DISPATCHER DISPATCHER DISPATCHER DISPATCHER DISPATCHER NAME: U/1/1/Y W/10/10/1000 PHONE #: Y32 209 085 ed by the truck driver prise to unloading at disposal facility: IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE: DRIVER'S SKENATURE: DRIVER'S SKENATURE: DISPATCHER MANUFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE TED BY OWL LANDFILL EMPLOYEES DATE: TIME IN: YO AM(PM)							
7:25:16 AM al Facility Part 2 - Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS: DATE	YARD #: WHP #: TRUCK #: 5 3 TICKET #: ROLL OFF BIN#: THALLER #: DISPATCHER DISPATCHER DISPATCHER DISPATCHER DISPATCHER NAME: U/1/1/Y W/1/4 / 6/2 PHONE #: Y32 2/2/2/85 ed by the truck driver prise to unloading at disposal facility: IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE? DRIVER'S SKENATURE: DRIVER'S SKENATURE: DISPATCHER MANNALED BEST OF MY KNOWLEDGE TED BY OWL LANDFILL EMPLOYEES DATE: TIME IN: YO AM(PM)							
1/23/2025 7:25:16 AM Disposal Facility Part 2 - Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS:	YARD #: WHP #: TRUCK #: 53 TICKET #: ROLL OFF BIN#: TRAILER #: DISPATCHER DISPATCHER DISPATCHER DISPATCHER DISPATCHER NAME: M/11/Y With 100 PHONE #: Y32 209 085 od by the truck driver prise to unloading at disposal facility: IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE? DRIVER'S SKINATURE: DRIVER'S SKINATURE: DRIVER'S SKINATURE: DATE: TIME AND ACCURATE TO THE BEST OF MY KNOWLEDGE TED BY OWL LANDFILL EMPLOYEES MM (PM) DATE: TIME IN: TIME OUT: WASHOUT TIME IN: TIME OUT: WASHOUT TIME IN: TIME OUT: NORM Shake Out: 7686663							
1/23/2025 7:25:16 AM Disposal Facility Part 2 - Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS: DATE TIME AM RECEIVED: AM RECEIVED: AM The following statement must be signed "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER: <u>Curry</u> (Driver's Name Printed) L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIV FACILITY RECEIVED AT (Check One): ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A TCLP: PASS FAIL N/A SERVICE NOTES:	YARD #: WHP #: TRUCK #: 53 TICKET #: ROLL OFF BIN#: TRAILER #: DISPATCHER DISPATCHER DISPATCHER DISPATCHER DISPATCHER NAME: W/11/Y With for the PHONE #: Y32 209 085 od by the truck driver grist to unloading at disposal facility: IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE? DRIVER'S SKINATURE: DRIVER'S SKINATURE: DRIVER'S SKINATURE: DRIVER'S SKINATURE: DATE: TIME IN: Y/02 AM (PM) MASHOUT TIME IN: MM (PM) MASHOUT TIME IN: TIME OUT: NORM Shake Out: 7686663							
- Disposal Facility Part 2 - Transport	COMPANY NAME: <u>Sem Tex Mex</u> ADDRESS: DATE TIME AM RECEIVED: AM RECEIVED: AM The following statement must be signed "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED DRIVER: <u>Curry</u> (Driver's Name Printed) L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIV FACILITY RECEIVED AT (Check One): ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A TCLP: PASS FAIL N/A SERVICE NOTES:	YARD #: WHP #: TRUCK #: 53 TICKET #: ROLL OFF BEN#: TRAILER #: DISPATCHER DISPATCHER DISPATCHER DISPATCHER DISPATCHER NAME: W/14/W/46/02 PHONE #: 432 209 025 od by the truck driver prior to unloading at disposal facility: IN THIS VESSEL SINCE LOADING OF MATIRIAL DESCRIBED IN PART 1 ABOVE: DRIVER'S SKINATURE: DRIVER'S SKINATURE: DRIVER'S SKINATURE: DATE: 107 AM (PM) WASHOUT BY: TIME IN: TIME OUT: NORM Shake Out: TIME OUT: TESTING: 123 0685663							

Page 88 of 25.	OWL Landfill Services, LLC Data Numeric Outpuese Resta Landfill B201 Preston Rd., Suite 520 Dallas, TX 75225 214.292.2011 ar@ndblandfill.com
	COMPANY NAME: X T Q LEASE: PI V 20 BD AFE #: API: 30 15.52 21/2 RIG NAME: WELL #: 12/1 1 20 BBLS STATE & COUNTY ORIGIN: WELL #: 12/1 1 20 If yards
- Generator	Waste Description (check only one box) RCRA Exempt RCRA Non-Exempt Water Based Cuttings (DRY) Water Based Cuttings (WET) Contaminated Soil Produced Sands Oil Based Cuttings (DRY) Oil Based Cuttings (WET) Injectable Fluids Non-injectable Fluids Oil Base Mud Water Base Mud Muds w/Cement Tank Bottoms Injectable Fluids Pit Liners Authorize Washout? Yes
Dart 1	Interestly certify that accounting to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's Ady 1988 regulatory determination, the above described waite load is (Check the appropriate classification) PRCRA EXEMPT: Olifield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDR, Accepts certifications on a per load basis only) PRCRA EXEMPT: Olifield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDR, Accepts certifications on a per load basis only) PRCRA NO4-EXEMPT: Olifield wastes which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 60 CFR 261, 21-261, 24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous la attached. (Check the appropriate items as provided): Soft Information RCRA Hazardous Waste Analysis Process Rnowledge Other (Provide Description Belew).
	EMERGENCY NON-OILFIELD: Emergency non-hexardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hexardous waste determination and a description of that waste must accompany this form) One Data Data Data
	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT
Insporter	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME:
- Transpoi	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME:
Transpoi	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME: SemiYARD #: WHP #: TRUCK #: Signature ADDRESS:
S:16 AM Facility Part 2 - Transpor	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME:
1/23/2025 7:25:16 AM Disposal Facility	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME COMPANY NAME COMPANY NAME Separation TALLARY YARD #: WHP #: TRUCK #: TRUCK #: DATE TIME DATE MM DISPATCHER DISPATCHER PHONE #: TRUCK #: DATE MM RECEIVED; RECEIVED; The following statement must be signed by the truck driver prior to unloading at disposal facility: "I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE" DRIVERS DRIVER'S SIGNATURE: Conjust's Name Printed! DRIVER'S SIGNATURE: L (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE REST OF MY KNOWLEDGE TO BE COMPLETED BY OWL LANDFILL EMPLOYEES FACILITY RECEIVED AT (Check One): DATE: DATE: TIME IN: AM /PM TOX: PASS TOX: PASS TOX: PASS Leasther 50 H ₁ O Leasther 50 H ₂ O </th
V23/2025 7:25:16 AM Disposal Facility	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT COMPANY NAME State Text YARD #:

1



APPENDIX F

Laboratory Analytical Reports & Chain of Custody Documentation



November 22, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H & 105H

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 13:30.

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

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

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

Accreditation applies to public drinking water matrices.

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 HWY CARLSBAD NM, 88220 Fax To:

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 63 B 7 (H247119-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	1.99	99.4	2.00	3.25	
Toluene*	<0.050	0.050	11/21/2024	ND	2.03	102	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.00	100	2.00	3.45	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.95	99.1	6.00	3.42	
Total BTEX	<0.300	0.300	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/22/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	205	103	200	6.85	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	185	92.3	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 64 A 10 (H247119-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	1.99	99.4	2.00	3.25	
Toluene*	<0.050	0.050	11/21/2024	ND	2.03	102	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.00	100	2.00	3.45	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.95	99.1	6.00	3.42	
Total BTEX	<0.300	0.300	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/22/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	205	103	200	6.85	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	185	92.3	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 10 4-10 (H247119-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	1.99	99.4	2.00	3.25	
Toluene*	<0.050	0.050	11/21/2024	ND	2.03	102	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.00	100	2.00	3.45	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.95	99.1	6.00	3.42	
Total BTEX	<0.300	0.300	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/22/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	205	103	200	6.85	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	185	92.3	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg 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 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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

Page 95 of 251

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

the second	Lab I.D. Sample	11 700 1100 11000 1100 11000 1100 1100 1100 11000 110	Company Name: Ensolum, LLO Project Manager Town - 01
Relinquished By: Nully Long Dig Relinquished By: Constant Date Time Delivered By: (Circle One) Constant Cons	I.D.	30.00	
1	COCIORAS ORICIOMP COCIORAS ORICIONAL COCIORAS ORICIONE COCIORAS ORICIONE COCIONALINA C	State: NM Zip: 88220 Fax 8: Project Owner: XTO and VINH & IoS H SoS 3 1	
CHECKED BY:		PO. E Company: XTO Encay Ann: Calton Brokin Address: 3149 E. Ernus City: Callond State: MM Zip: 88220 Phone E Pax th Sate: MM State: 88220	BILLTO
Verbal Result D Yes BLAN Al Results are smalled Please pro "Hill web BENSOLVER. Com f REMANNES" I BE I Law + NO. : (os+ Competence: UNY Support Contrarround Time: Standard Higher Standard		5	-
E D Ym BUM Antithons e emailed Press provide Email address Bholium Con f Morri StypBenteum Con Encident No. : NAPP LHONGSGBG & NAPP LHUTSSAPF Cocident No. : NAPP LHONGSGBG & NAPP LHUTSSAPF Cocident Contents (control Sample Condition Market Contents (control Sample Condition Contents (control Sample Condition			ANALYSIS REQUEST

Received by OCD: 1/23/2025 7:25:16 AM



June 26, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H

Enclosed are the results of analyses for samples received by the laboratory on 06/20/24 14:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/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 HWY CARLSBAD NM, 88220 Fax To:

Received:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 04 0.5' (H243638-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2024	ND	2.08	104	2.00	1.82	
Toluene*	<0.050	0.050	06/24/2024	ND	2.16	108	2.00	1.47	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.13	106	2.00	1.16	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	6.54	109	6.00	1.03	
Total BTEX	<0.300	0.300	06/24/2024	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	1760	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	65.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 05 0.5' (H243638-02)

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	06/24/2024	ND	2.08	104	2.00	1.82	
Toluene*	<0.050	0.050	06/24/2024	ND	2.16	108	2.00	1.47	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.13	106	2.00	1.16	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	6.54	109	6.00	1.03	
Total BTEX	<0.300	0.300	06/24/2024	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	384	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	17.9	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	66.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 06 0.5' (H243638-03)

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	06/24/2024	ND	2.08	104	2.00	1.82	
Toluene*	<0.050	0.050	06/24/2024	ND	2.16	108	2.00	1.47	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.13	106	2.00	1.16	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	6.54	109	6.00	1.03	
Total BTEX	<0.300	0.300	06/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	71.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 07 0.5' (H243638-04)

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	06/24/2024	ND	2.08	104	2.00	1.82	
Toluene*	<0.050	0.050	06/24/2024	ND	2.16	108	2.00	1.47	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.13	106	2.00	1.16	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	6.54	109	6.00	1.03	
Total BTEX	<0.300	0.300	06/24/2024	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	288	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	54.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	53.3	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 08 0.5' (H243638-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2024	ND	2.08	104	2.00	1.82	
Toluene*	<0.050	0.050	06/24/2024	ND	2.16	108	2.00	1.47	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.13	106	2.00	1.16	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	6.54	109	6.00	1.03	
Total BTEX	<0.300	0.300	06/24/2024	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	384	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	59.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.6	% 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:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 09 0.5' (H243638-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2024	ND	2.08	104	2.00	1.82	
Toluene*	<0.050	0.050	06/24/2024	ND	2.16	108	2.00	1.47	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.13	106	2.00	1.16	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	6.54	109	6.00	1.03	
Total BTEX	<0.300	0.300	06/24/2024	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	384	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	63.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.2	% 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:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 10 0.5' (H243638-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 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	416	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	70.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.8	% 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:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 11 0.5' (H243638-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 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	192	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	62.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.6	% 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:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 12 0.5' (H243638-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	224	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	59.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.6	% 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:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 13 0.5' (H243638-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	192	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	65.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.7	% 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:	06/20/2024	Sampling Date:	06/18/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 14 0.5' (H243638-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 \$	% 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	800	16.0	06/24/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					
Surrogate: 1-Chlorooctane	61.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.3	% 49.1-14	8						

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Celeg 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 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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

							Contract of the second s	Contraction of the second	
Company Name: Ensolum, LLC	um, LLC			BILL TO			ANAN	ANALYSIS REQUEST	JEST
Project Manager: Tracy Hillard	Hillard			9.0.4					
Address: 3122 National Parks Hwy	Parks Hwy			Company: XTO Energy	ty Inc.				
City: Carlsbad		State: NM	Zip: 89220	Attn: Amy Ruth					
Phone #: 5759373906		Fax #		Address: 3104 E Green	۳ M		_		
Project #: 03C1555318		Project Owner: XTO	T XTO	City: Carlsbad					
Project Name: PLU 29 Brushy Draw 124H	Brushy Draw 124	I		State: NM Zip:88220	8	_			
Project Location: 32.11175, -103.90506	175, -103,90506			Phone #:		_			
Sampler Name: Joshua Boxley	Boxley			Fax #:					
NOR WALLARD CHLY			MATRIX	ESERV.	SAMPLING	7			
Lab I.D. San	Sample I.D.	100 C	# CONTAINERS GROUNDWATER WASTEWATER	OTHER :	ii.	TPH			
-	i.	2:0	X	1 6/14rt	I ITIG X	XXX			
5 499 2	1				1120				
1	6				10.21				
A 100	2				200				
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7 410	6				550				
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	6412				1254				
2155 W	55175 and a second	5) 5-0		AVA North	2	XX			
Relinquid by	and the concerned on commercial standard in the performance of	Li to N	Relinquished By Difference and the second se	prior, tai d'un et un et porte l'accest qu'act in actenieurs. In dire a tend qui etc et tre sinne start manor y a threads. Verball Result: All Results are ann	Verbal Result: 0 Y	22	es D No Add1 Phose #; 1. Please provide Email address;	address:	
Relinquished by:		Dide 19	R. ADALOD		REMARKS	NG			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		1.5 C	Sample Coudition	on CHECKED BY	Turnarcund Time.	特	Standard N	Bacteria (only) Sample Condition Cool Intact Observed Temp.	Sample Condition Observed Temp. 'C

Received by OCD: 1/23/2025 7:25:16 AM

† Cardinal cannot accept verbal changes. Please email changes to celoy, heene@cardinallabsnm.com

ARC orator Sal.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

c 2 & 2

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (576) 393-2476

Company Nanne: Ensolum, LLG Project Manager: Tracy Hillard Address: 3132 National Parks H City: Carlsbad	Company Nanos: Einsolum, LLC Project Manager: Tracy Hillard Address: 3132 National Parks Hwy City: Carlsbad	State: NM	Zip: sezas	BILL TO P.O. 8: Company: XTO Energy Inc Attn: Amy Ruth
Phone #: 5759373904	13905	Fax #:	~	Address: 3104 E Green St
Project #: 03C1558318	158318	Project Owner: XTO		City: Carlsbad
Project Name: P	Project Name: PLU 20 Brushy Draw 124H	124H	0	State: NM Zip:88220
Project Location	Project Location: 32.11175, -193.99696	106	8	Phone #:
Sampler Name: Joshua Boxley	Joshua Boaley		-	Fax 8;
LTND BRITEMINON			s LR	ONTINUES ASSESSED
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)O # CONTAINERS GROUNDWATE WASTEWATER SOL OL SLUDGE OTHER :	
11	N 95	0.5	A X	X
	$\left \right $			
NUMBER OF A COMPANY OF A COMPAN	24 April 2011, Landon and Dawangan. Canonical statistics per interior anti-based processing the approximation and approximation of the statistical systems and approximation of the statistical system	Statistics and some	tion arting whithin based is toronic much separat software index of writeg an fistal Unitation busiless attemptions. Tool respectives of antipolar toro date	(i) strate is roughly to be described parallely the characterized is screened by C-antimatic address 20 strate after characterized for any linear of year, at here of parallel according strategy in substantiants in the strategy of the strategy strategy in substantiants.
Relinquished By Relinquished By	. He	Date Date	Received By: Accelved By: Received By:	Verbal Result: D Yes D No - AdgT Phone # All Results are emailed. Please provide Email address thiland@emolum.com, bbelfi@emolum.com, T REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other			Sample Constition Cool Intact Ures Ures No II No	(Initiality) (Init
annumerica.	THE R. P. LEWIS CO., LANSING, MICH.	 Continual commonly 	interest increased worked a branch	the Contraction of the State of

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



July 19, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H

Enclosed are the results of analyses for samples received by the laboratory on 07/15/24 14:27.

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

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

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

Accreditation applies to public drinking water matrices.

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 HWY CARLSBAD NM, 88220 Fax To:

Received:	07/15/2024	Sampling Date:	07/11/2024
Reported:	07/19/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 01 0.5' (H244204-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.00	99.8	2.00	0.859	
Toluene*	<0.050	0.050	07/16/2024	ND	1.89	94.7	2.00	0.688	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	1.90	94.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.61	93.4	6.00	2.51	
Total BTEX	<0.300	0.300	07/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/15/2024	Sampling Date:	07/11/2024
Reported:	07/19/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 02 0.5' (H244204-02)

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	07/16/2024	ND	2.00	99.8	2.00	0.859	
Toluene*	<0.050	0.050	07/16/2024	ND	1.89	94.7	2.00	0.688	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	1.90	94.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.61	93.4	6.00	2.51	
Total BTEX	<0.300	0.300	07/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	107 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 %	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/15/2024	Sampling Date:	07/11/2024
Reported:	07/19/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 03 0.5' (H244204-03)

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	07/16/2024	ND	2.00	99.8	2.00	0.859	
Toluene*	<0.050	0.050	07/16/2024	ND	1.89	94.7	2.00	0.688	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	1.90	94.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.61	93.4	6.00	2.51	
Total BTEX	<0.300	0.300	07/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	07/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	119 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/15/2024	Sampling Date:	07/11/2024
Reported:	07/19/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 03 B 2' (H244204-04)

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	07/16/2024	ND	2.00	99.8	2.00	0.859	
Toluene*	<0.050	0.050	07/16/2024	ND	1.89	94.7	2.00	0.688	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	1.90	94.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.61	93.4	6.00	2.51	
Total BTEX	<0.300	0.300	07/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/15/2024	Sampling Date:	07/11/2024
Reported:	07/19/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 04 C 3' (H244204-05)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.00	99.8	2.00	0.859	
Toluene*	<0.050	0.050	07/16/2024	ND	1.89	94.7	2.00	0.688	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	1.90	94.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.61	93.4	6.00	2.51	
Total BTEX	<0.300	0.300	07/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/15/2024	Sampling Date:	07/11/2024
Reported:	07/19/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.11175,-103.90606		

Sample ID: SS 14 A 1' (H244204-06)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.00	99.8	2.00	0.859	
Toluene*	<0.050	0.050	07/16/2024	ND	1.89	94.7	2.00	0.688	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	1.90	94.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.61	93.4	6.00	2.51	
Total BTEX	<0.300	0.300	07/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	119 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	ANALYSIS REQUEST																		/	5/		AddT Photo P. de Email address:	10011201	36864	
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	BILL TO	P.O.E.	Company: X TO Energy	Suth .	Address: SIDH G. Green st		State: N M Zip: 88270		Fax #	PRESERV SAMPLING	2 100 V35		×		950	1300		* *		a start in brited in the entropy part by the dentity the	F (8. 61)	Contraction Results are	CLEAR AN THINK	Incident	CHERKEN BV. Furning W.
		4		21x 5 2220 A	4		Ηş			MATRIX	RENATER EMATER BETANE	NOU III	X					>		In anity whether based is contract or to	dread includes, bostens inter-spins, task that, spinstens it shelfer and inter a la December of Max.	alliers .	Received By:		Gameria Possibles
101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		illard.	7	State: U/M	Fax #:	Project Owner:	Brushy Daw	-103.40606	Boxley		Depth (feet)	W3KD0		0.5	0.5		~~ ·	-		directly exclusion (action); for any claim	Service Annual Annual Service	-+ 7	Date: 1-1	Time:	Obtained Tame 10
101 East Martand (575) 393-2326	51	Tracy	Netton		2	23C1557318	0 20	Project Location: 32. 111 75,	Sampler Name: Jo 5 h Jor	-	Lab I.D. Sample I.D.	1204	550	_	5 5503			APPLICE OF		PLEASE NOTE: Labore and Samagae, Cambuch Mildly and employer, All claims including from its marginess and any off	motor in a second carbon to this is house a co- finance measurement and a second to perform Mail include had The co-	A.	ad By:		wared Byr, (Circle One)

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August 22, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H

Enclosed are the results of analyses for samples received by the laboratory on 08/20/24 13:45.

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

mile Singh

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



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

Received:	08/20/2024	Sampling Date:	08/16/2024
Reported:	08/22/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558434	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11175,-103.90606		

Sample ID: FS 02 1 (H245048-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/22/2024	ND	2.18	109	2.00	3.93		
Toluene*	<0.050	0.050	08/22/2024	ND	2.20	110	2.00	3.03		
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.21	111	2.00	3.37		
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.86	114	6.00	2.92		
Total BTEX	<0.300	0.300	08/22/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	560	16.0	08/21/2024	ND	432	108	400	0.00		
TPH 8015M	mg/	/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	238	119	200	2.41		
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	222	111	200	2.51		
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND						
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8							

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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 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

mite Sugar

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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19 3 3 2

(STS) 393-2326 FAJ	FAX (575) 393-2476	OF LINE		ANALYSIS REQUEST
Company Name: Ensolum, LLC		DITT IA		
Project Manager: Tracy Hillard		20.8		
Address: 3122 National Parks Hwy	An I	Company: XTO Energy Inc.	12	
city: Carlsbad	State:NM Zip: 88220			
Phone #: 337 257-8307	Fax B:	Address: 2104 E. Orwan	9	
Project #: : 03C1558434	Project Owner: XTO	10		
ame	Draw 124H	State: NM Zip: 88220		
Project Location:		Phone 8:		
Sampler Name: Connor Whitman			1	
	A MAISO	DX PRESERV SUB-CIVO		
Lab I.D. Sample I.D.	SIRAB OR (C)OMP CONTAINERS GROUNDWATER WASTEWATER SOIL		BTEX	
Harroum Koz-	7 2	1.2.8	1300	
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Dedivered By: (Circle One) Sampler - UPS - Bus - Other;	Current 1	Coul Interferen CHECKED BY	HUD - BLA (20	Pory With March Sciences Temp. 'C
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Page 123 of 251



August 22, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H

Enclosed are the results of analyses for samples received by the laboratory on 08/20/24 13:45.

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

mile Singh

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



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

Received:	08/20/2024	Sampling Date:	08/16/2024
Reported:	08/22/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558434	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11175,-103.90606		

Sample ID: FS 01 1 (H245049-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.18	109	2.00	3.93	
Toluene*	<0.050	0.050	08/22/2024	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.21	111	2.00	3.37	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.86	114	6.00	2.92	
Total BTEX	<0.300	0.300	08/22/2024	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	176	16.0	08/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	238	119	200	2.41	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	222	111	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



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

Received:	08/20/2024	Sampling Date:	08/16/2024
Reported:	08/22/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H	Sampling Condition:	Cool & Intact
Project Number:	03C1558434	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11175,-103.90606		

Sample ID: FS 03 2 (H245049-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	2.18	109	2.00	3.93	
Toluene*	<0.050	0.050	08/21/2024	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	2.21	111	2.00	3.37	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	6.86	114	6.00	2.92	
Total BTEX	<0.300	0.300	08/21/2024	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	96.0	16.0	08/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	238	119	200	2.41	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	222	111	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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mite Sugar

Mike Snyder For 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 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

mite Sugar

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

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1	DID DESERVE FAST LAND DESERVE	BILL TO	ANALYSIS REQUEST	1
Protect Manager: Tracy Hillard		P.O. 87		_
Address: 3122 National Parks Hwy	Ŵ	company, XTO Energy Inc.	0	_
city: Carlsbad	State: NM Zip: 88220			_
8 () ()		E. Green	\$2	_
	Project Owner: XTO	cay: Carisbad		_
	Draw 124H	State: NM Zip: 88220		
Project Location:		Phone &		
Sampler Name: Connor Whitman		1		
IACMA THIR FURIT (2000) A	MATROX	PRESERV. SHAREN		
Lab I.D. Sample I.D.	GIRABIOR (C)OMP. CONTAINERS DROUNDWATER WASTEWATER SOIL OIL	ACIDIDASE: ICE / COOL OTHER:	BTEX TPH CHLORIDE	
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Released to Imaging: 1/28/2025 2:33:35 PM



August 29, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H & 105H

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 13:47.

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

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

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

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 HWY CARLSBAD NM, 88220 Fax To:

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 04 1' (H245192-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	QM-07
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	QM-07
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	QM-07
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	QM-07
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	08/28/2024	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	08/27/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 05 1' (H245192-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	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	08/28/2024	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	08/27/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 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:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 06 1' (H245192-03)

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	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	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	112	16.0	08/28/2024	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	08/27/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 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:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 07 1' (H245192-04)

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	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	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	224	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 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:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 08 1' (H245192-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	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	320	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 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:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 09 1' (H245192-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 10 1' (H245192-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 11 1' (H245192-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 12 1' (H245192-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 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:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 13 1' (H245192-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	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	256	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 14 1' (H245192-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	128	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 :	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 15 1' (H245192-12)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	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	144	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 16 1' (H245192-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 17 1' (H245192-14)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	400	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	87.2	% 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 TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 18 1' (H245192-15)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	464	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/21/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 19 1' (H245192-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	272	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 20 1' (H245192-17)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	112	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 21 1' (H245192-18)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	272	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 22 1' (H245192-19)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.92	96.2	2.00	4.73	
Toluene*	<0.050	0.050	08/28/2024	ND	1.89	94.7	2.00	0.859	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.96	97.9	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.05	101	6.00	1.20	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	464	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 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:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 26 1' (H245192-20)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	110	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	215	108	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 27 1' (H245192-21)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.5	% 49.1-14	8						

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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 29 1' (H245192-22)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 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	464	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	72.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 30 1' (H245192-23)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 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	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	72.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 31 1' (H245192-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 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	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	80.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 32 1' (H245192-25)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 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	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	70.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 33 1' (H245192-26)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	77.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 34 1' (H245192-27)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 37 1' (H245192-28)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 38 1' (H245192-29)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45	
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/28/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	194	97.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ks Hwy	ks Hwy	- Herry Friend	Project Manager: Tracy Hillard	Tracy Hillard	E-solum LLC
Comp					
Comp.	-				
Company: XTO Ener	company: XTO Energy	1017	P.O. 8:		BILL TO
gy Inc.	gy Inc.			-	
				-	AN
					ANALYSIS REQUEST
		15	5	5	6

Received by OCD: 1/23/2025 7:25:16 AM

(575) 393-2326 FA Company Name: Ensolum, LLC Project Manager: Tracy Hillard Address: 3122 National Parks Hwy cau. Carlsbard	FAX (575) 393-2476 hery seam NM yim 682200	P.O. It Company: XTO Energy Inc	ANALYSIS
Phone #: 575-937-3906 Fax #: Protect #: - 0001558318 & 0001558482 Protect Demon	Fax #: SSLE2 Project Owner: XTO	Address: 3104 E. Green cardsbad	in St.
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Page 161 of 251

CARDINAL Laboratories

Ensolum LLC Project Manager: Tracy Hilard Address: 3122 National Parks Hwy cty: Carlsbad Sa Project Manager: Tracy Hilard Sa Project I: 0001588016 & 0001589462 m Fax Project I: 0001588016 & 0001589462 m Fax Project I: 000158801 & 0001589462 m Fax Project I: 000158590 Domain Sample I:D. Sample I:D. MA15000 F5 2.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 5.0 F5 3.0 F5 3.0 F5 3.0 F5 3.0 F5 5.0 F5 5.0 F5 3.0	SUBPLEE (ELE) YA	AN L TO	ANALYSIS REDUEST
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Incident ID: AMPROVO1608084 & AMPROVOSO/C7/07

Received by OCD: 1/23/2025 7:25:16 AM

Company Name: Ensolum, LLC	HC.	BILL TO	ANALYSIS REQUEST
Address: 3122 National Parks Hwy	- irks Hwy	Company: XTO Energy Inc.	
cay. Carlsbad	State: MM Zip: 88220	Aller Army Ruth	
Phone #: 575-937-3906		Address: 3104 E. Green St.	
Project #: 09C1558318 & 03C1558482	3C1555482 Project Owner: XTO	cey. Carisbad	
ALLO .		State: NM Zip: 88220	
Project Location: 32.11170,	0, -103.90534	Phone It:	
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CARDINAL Laboratories



September 16, 2024

DAVID MCINNIS ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H & 105H

Enclosed are the results of analyses for samples received by the laboratory on 09/12/24 15:39.

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

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

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

Accreditation applies to public drinking water matrices.

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 DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 01 0-1' (H245551-01)

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	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	432	16.0	09/13/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	71.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 02 0-1' (H245551-02)

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	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	144	16.0	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	80.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 23 2' (H245551-03)

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	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	224	16.0	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 24 2' (H245551-04)

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	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	68.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 25 1' (H245551-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	448	16.0	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	82.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 28 1' (H245551-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 35 2' (H245551-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	77.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 36 1' (H245551-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	nalyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/13/2024 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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 05 0-2' (H245551-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Analyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	288 16.0		09/13/2024 ND		416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	71.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 39 4' (H245551-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	vzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	128 16.0		09/13/2024 ND		416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 40 2' (H245551-11)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	lyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	16.0 09/13/2024		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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	80.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 42 2' (H245551-12)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	nalyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	272 16.0		09/13/2024 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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	63.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.1	% 49.1-14	8						

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Celeg 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 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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL oratories

101 East Marland, Hobbs, NM 88240 (S75) 393-2326 FAX (S75) 393-2476

Project Name

oject Location:

To let #

0301658318 & 030166

ampler Name: Jesse Dorman

OF CAROLEDING

4245-55

Lab I.D.

Carlsbad

home #: 409-454-3009

voject Manager: David Moinnis

impany Name

Emolum_UUC

P.O. 81

BILL TO

ANALYSIS REQUEST

Company: XTO Energy Inc.

Ideess: 3122 National Parks Hwy

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Cool Indust (Industry)	St. Con	A 1 1 Oct	privary advances frances to contract, for VCS state to the entropy of an entropy of the second secon							4 4 190	WASTEWATER SOL OL SLUDGE OTHER ACIDIBASE ICE / COOL OTHER	MATSO PRESERV	Fax #:	Phone #:	State: NM Zp:	city: Cartsbad	Address: 3104 E.		
P Q 17 14 Julo Routh Bardard Cool Inter Inter 100/9/1	REMARKS Cost Center: 2234941001 & INVESTIGUE Incodent ID: INVERSIONSE4 & INVESTIGUESEE & INVESTIGUESEE	Varhal Result: U Yes. V No. (Not Lincol address) Al Results are enabled. Presse provide Email address: Thilami@enaolan.com. Tuboristey@enaolam.com. Istewason@enaolan.com	southouse of the segmentation by extra contractions by a characteristic	Cas	15.40		11 0 V 11	0.201		Miesen in the contraction of the	BTEX TPH CHLORIDE	SAMPLING			Zip: 88220		Green SL		
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† Cardinal cannot accept verbal changes. Please email changes to cetey added cardinaliatesnm.com

Page 178 of 251

Page 15 of 16

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 1/28/2025 2:33:35 PM

THE CALL BUILDER	y state:NM Zip: 88220		St.	ANALYSIS REQUEST
(尊) []	Fix P	Address: 3104 E. Green St. cay: Carlsbad	St	
Project Name: PLU 20 Brushy Draw 124H &	raw 124H & 105H	State: NM Zip: 88220		
8	90534	Phone #:		
Sampter Name: Jesse Dorman				
Lab LD. Sample I.D.	GURAB OR (C)OMP.		BTEX TPH CHLORIDE	
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Radinquished By:	Received B		Verbal Result: D. Yes: D. M Results are smalled. Please Thilard@emolum.com. TMD	Yes (J-No. AddT Phone K. ed. Please provide Email address: com Thiorisary@emokan.com, ktromacor@emodum.com
Rollinguished By:	Date: A Received By		REMARKS Cost Center 22349	2234941001 & 1098211001 Incodent ID: 0AP92401638884 & nAP92408057797
	Contract Terrer Cardina Condition	Silon CHECKED BY: T	umanound Time: Standard	Shandard Bacteria (July) Sample Condition (July) Italia Conditional Temp 'C



September 16, 2024

DAVID MCINNIS ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H & 105H

Enclosed are the results of analyses for samples received by the laboratory on 09/12/24 15:39.

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

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

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

Accreditation applies to public drinking water matrices.

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 DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 53 2' (H245552-01)

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	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	272	16.0	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 54 2' (H245552-02)

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	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	272	16.0	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	81.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 55 2' (H245552-03)

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	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	128	16.0	09/13/2024	ND	416	104	400	0.00	
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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	82.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 56 2' (H245552-04)

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	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 57 2' (H245552-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/13/2024	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	09/13/2024	ND	213	107	200	2.55	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	202	101	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	82.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 58 2' (H245552-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.14	107	2.00	1.05	
Toluene*	<0.050	0.050	09/13/2024	ND	2.01	101	2.00	2.08	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.06	103	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.25	104	6.00	2.54	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	192	16.0	09/13/2024	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	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 59 2' (H245552-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 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	09/13/2024	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	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 60 2' (H245552-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 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	272	16.0	09/13/2024	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	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 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 DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 61 2' (H245552-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	192	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/10/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 62 2' (H245552-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	256	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	AX (575) 393-2476	DNI TO	ANALYSIS REQUEST	
Company Name: Ensolum, LLC		BILLIU		
Project Manager, Lorvo mounters	~~~	company: XTO Energy I	inc.	
Carlshad	Starter NM Zip: 88220	Ame Amy Ruth		
409-454-3009		Address: 3104 E. Green	n St.	
10 M	482 Project Owner: XTO	city: Carlsbad		
	8	State: NM Zp: 88220		
Project Location: 32.11170, -103.90534	90534	Phone #:		
Sampler Name: Jesse Dorman		1		
120020010000	A MAINO	AND DAMA		
Lab I.D. Sample I.D.	GIRALI OR (C)OMP GROUNDWATER WASTEWATER SOL OL	ACIORASE ACIORASE ACIORASE OTHER	BTEX TPH CHLORIDE	
		S MCON/6	1020	
0954 8 6754 8 8554 9			2001	
9 F561	1 44	HΣ		
Relinquished by	GT 12 24 Received By	and a local and any of the doub book of	Verbal Netart D Yes Who (AddTheora E Ad Results are emailed. Please provide Email address Thilard@email.an.com TMonteerp@email.m.com. ktrustated	And an
Reinquished By:	Date: Received By: Time:		1.6 1000	1 NAPR2400057797
Delivered By: (Circle One) Sampler - UPS - Bux - Other	Comment Terror C 4/5 c Sample Condition	Condition ChilCodD BY	APG12.764 and a Margaria Contract of the Contr	Observed Temp. "C Corrected Temp. "C
	a second advances to relate been			



September 16, 2024

DAVID MCINNIS ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H & 105H

Enclosed are the results of analyses for samples received by the laboratory on 09/12/24 15:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/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 DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 63 2 (H245554-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 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	736	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Additional and the second of t	Company Name: Ensolver, LLC Project Manager: David Micinnis Address: 3122 National Parks Hwy City: Carlsbad Project 8: 00C1558318 & 00C1558482 Project Name: PLU 20 Brushy D Project Name: Jesse Doman Sampler Name: Jesse Doman Sampler Name: Jesse Doman Sample LD, Sample I.D. H24 5554 5554 5555 555	101 East Mart (575) 393-23
	S Hwy State: NM Zip: 88220 Fax 8: SS0432 Project Overnin: XTO Shy Draw 124H & 105H 103.90534 103.90534 I.D. Sample Depth (level) 0.001 All OR (C) 0.00 2 C 1 0.001 All OR (C) 0.00 2 C 1 0.001 All OR (C) 0.00 2 C 1 0.001 All OR (C) 0.00 0 SR0,000 WATER 900,000 All 0.000 1 0.000 All 0.0000 1	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
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September 16, 2024

DAVID MCINNIS ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H & 105H

Enclosed are the results of analyses for samples received by the laboratory on 09/12/24 15:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/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 DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 07 0-3' (H245555-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 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	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 08 0-3' (H245555-02)

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	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 09 0-2' (H245555-03)

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	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 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	192	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	92.5	% 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 DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 48 4' (H245555-04)

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	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 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	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 03 0-2' (H245555-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	68.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 04 0-2' (H245555-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 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	224	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: SW 06 0-2' (H245555-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 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	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 65 2' (H245555-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 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	256	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 69 3' (H245555-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	112	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 76 2' (H245555-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 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	176	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 77 3' (H245555-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 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	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 79 2' (H245555-12)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 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	256	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 82 2' (H245555-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 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	192	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 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 SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

Longany Name:	Enselver, LLC			BILL TO	10			ANAL YSIS	YSIS REQUEST	
Project Manager: David Monnis	David Monnis			P.O. 8:					183	
Address: 3122 N	Address: 3122 National Parks Hwy	ş		Company XTO	Energy Inc					
city: Carlsbad		State-NM	Zip: 88220	Ann Amy Ruth	The Change of					
Phone #: 409-4	409-454-3009	Fax B:		Address: 3104	E. Green St.		_			
Project #: 00C1	03C1558318 & 03C1558482	82 Project Owner:	VINE: XTO	Cay: Carlsbad						
Project Name:	PLU 20 Brushy Draw 124H &	Draw 124H &	105H	State NM 25	aux 88220		_			
Project Location:	32.11170, -103.90534	NC904								
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† Cardinal cannot accept verbal changes. Please email changes to coley.keene@cardinallabsnm.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Testime alinguished By: City Project Manager: David Monnis Address: 3122 National Parks Hwy STATES IN COMPANY 55.422 Lab I.D ACTING INSTANDARY ACTING ampter Name: Josse Dorman nojout #: company Name report Location; reject Name: wind by (Circle Oral) one # her - UPS - Bus - Other quinhed By of furnity particular Carlsbad 409-454-3009 NEO 00C1558018 & 00C1558482 101 East Marland, Hobbs, NM 88240 PLU 20 Brushy Draw 124H & 105H Sample I.D. 32.11170, -103.90534 575) 393-2326 FAX (575) 393-2476 Envolum_ULC 58-22. 19539 Kel Que -Dute et. Ĩ Sample Dept Page 19 Gardinal cannot accept verbal changes. Please email chaoges to celey keene@cardinallabanm.com Project Owner: XTO State: NM i i (Press) 639 Received B Received By 20 COMPANIOR (C)OMP \$ Zip: 88220 P. 4 A CONTABLE SE GROUNDWATCH Cool Induct Deven Contra No Do No He he Conson Conson WASTEWATER MATER \mathbb{N} SON: Condition OIL. SLUDGE OTHER P.O. 81 S fade: city: Carlsbad Tax B Amy Ruth Company: XTO Energy Inc. Iddress: 3104 E. Green Trans B: ACCURASE A MIR ROUGH CHECKED BY Ð CE/COOL NM Zp: 88220 (manual) OTHER BILL TO H-CAM DATE **EVRACIACI** hear out Al Result D Ye PACK AND INCOME. THE NUMBER 1535 5115 OKSI Thillard@sinuckum.com TIME 50 And Time Cost Cardar: 2234041001 & 1068211001 BTEX Ŧ l 4MSum 144 TPH -outlin Standard Please provide Ernal address Thionistey@involum.com. CHLORIDE 0.88 Incodent 82: n/4/PP2401628684 & n/4/PP2405057797 a moved Libry ANALYSIS REQUEST Cool Intact The Yes Bacteria (only) Sample Condition 10000 Observed Temp. "C Corrected Tang. "C mon Umpricipation

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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



September 16, 2024

DAVID MCINNIS ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H & 105H

Enclosed are the results of analyses for samples received by the laboratory on 09/12/24 15:39.

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

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

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

Accreditation applies to public drinking water matrices.

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 DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 66 2' (H245556-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	400	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	5.63	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	218	109	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 67 2' (H245556-02)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.92	95.9	2.00	8.31	
Toluene*	<0.050	0.050	09/13/2024	ND	1.86	93.0	2.00	9.16	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.87	93.7	2.00	9.43	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.59	93.1	6.00	9.55	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 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	240	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 68 2' (H245556-03)

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	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	336	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 70 2' (H245556-04)

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	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/13/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 71 2' (H245556-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	240	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 72 2' (H245556-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	304	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 73 2' (H245556-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	144	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 74 2' (H245556-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	128	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

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Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 75 2' (H245556-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 78 2' (H245556-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	320	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	82.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 80 2' (H245556-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

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ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 81 2' (H245556-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.6	% 49.1-14	8						

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ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS43 3' (H245556-13)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

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ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS44 3' (H245556-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/14/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/14/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/14/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS45 3' (H245556-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS46 3' (H245556-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	224	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS47 3' (H245556-17)

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	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	272	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS41 3' (H245556-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	592	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS51 3' (H245556-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/12/2024	Sampling Date:	09/11/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS52 3' (H245556-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/16/2024	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	09/13/2024	ND	199	99.5	200	2.26	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	204	102	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 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 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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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (S75) 393-2326 FAX (S75) 393-2476

Address: 3122 National Parks Hwy Company_XTO Energy Inc. Cay: Carlsbad Stant, NM Zip, 88220 Aan; Amy Ruth Project #: 000103043 Project Owner: XTO Address: Address: 3104 E, Groen St. Project Mama: PLU 20 Brushly Draw 124H & 105H State: NM Zip, Carlsbad State: State: State: State: <th>Company Name: Enjolum, LLC Project Manager Digvid McInnis</th> <th>No.</th> <th>0.4</th> <th>BILL TO</th>	Company Name: Enjolum, LLC Project Manager Digvid McInnis	No.	0.4	BILL TO
Carlsbad State, NM Zip: 88220 Anny Ruth et #. 0001095/19.8 000109452 Project Owner: XTO Carlsbad Address: 3104 E. Green St. et #. 0001095/19.8 000109452 Project Owner: XTO Carlsbad State: NM Zip: 88220 et #. 0001095/19.8 000109452 Project Owner: XTO State: NM Zip: 88220 et #. PLU 20 Brushy Draw 124H & 105H Prose # Prose # et #. Sample Domman Sample Dogsh Prose # Prose # dis Nume: Verse # Pase # Prose # Prose # dis Nume: Sample Dogsh COM Prose # Prose # dis Nume: Sample Dogsh COM Prose # Proce # dis Nume: Sample Dogsh COM Proce # Proce # dis SS F5 (-2.7) OR Proce # Proce # Proce # dis SS F6 71 OR OR Proce # Proce # Proce # dis SS F6 73 OR OR Proce # Proce # Proce #<	Address: 3122 National Pa	rks Hwy	0	Energy
e.g. 409-454-3009 Fax.8: Addeesa 3104 E. Green St. et et. 0000300118.6.00005042 Project Owner: XTO Gity: Carlsbad Gity: Carlsbad et toesaboer: 32.11170103.90534 PLU 20 Brushly Draw 124H & 105H Phone # Phone # et toesaboer: 32.11170103.90534 Project Owner: YTO Sample Domain Phone # et toesaboer: 32.11170103.90534 Project Owner: Fax.8: Phone # Phone # et toesaboer: 32.11170103.90534 Project Owner: Fax.8: Phone # Phone # et toesaboer: 32.11170103.90534 Project Owner: Fax.8: Phone # Phone # de Name: Marrier: Marrier: Project Owner: Fax.8: Phone # Phone # Phone # de SSS4 F5.6.12 Sample Depth Sample Depth Sample Depth Project Phone # Phone # <td< td=""><td>city: Carlsbad</td><td></td><td></td><td>w Amy Ruth</td></td<>	city: Carlsbad			w Amy Ruth
ODC/1598/01/9 & 000/1598/82 Progect Owner: XTO Cay, Califsbod earner: PLU 20 Brushy Draw 124H & 105H Same, NM Zip: 58220 earner: 32,11170,-103.90534 Phone #: ame: Jesse: NM Zip: 58220 ame: Sample Doptin Rest NM Zip: 58220 ame: Sample Doptin Rest NM Zip: 58220 ame: All Jesse: NM Zip: 58220 Jesse: NM Zip: 592 ame: All Jesse: All Jesse: Jesse	-	Fax It	Ad	
Earner: PLU 20 Bnushy Draw 124H & 105H State: NM Zaj: 58220 Same: Jesse: D. Sample Dopph (tests) Fix # Fix #<			XTO	y: Carlsbad
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† Cardinal cannot accept verbal changes. Please email changes to celey/keene@cardinalabe.nm.com

aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

samples. Incompany share that the balls of harder for these	10 10 10 10 10 11 10 11 11 11	- AWF, VAL * S	Lab LD. Sam	Sampler Name: J0550 Do	·	Project #: 00C1556018	Phone 8: 409-454-3009	carlsbad	Addeess: 3122 National Parks Hwy	Project Manager: David Molnnis	Company Name: Entro	(575) 3
25		45 45-80	ē	Domian	PLU 20 Brushy Draw 1 32 11170 -103 60534	00C1556018 & 00C1556482 PM	09 Fax #		I Parks Hwy	Moinnis	Emiolum, LLC	575) 393-2326 FAX (575
2.2-1 Received B			Rempte Depth (Neet) (C)RAB OR (C)OMP. # CONTAINERS		124H & 105H	Project Owner: X		State:NM Zip: 88220				FAX (575) 393-2476
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Cost Center: 2234941001 & 1086211007

Incident ID: INJ/9724018380844 & INJ/972405057797

Bacteria (only) Sample Condition

Observed Tamp. "C Contected Temp. "C

* Cardinal cannot accept verbal changes. Please email changes to celey/seene@cardinallabanm.com

R (Indiana)

John and a cond

Cool Intact

ą 5



October 07, 2024

DAVID MCINNIS ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 BRUSHY DRAW 124H & 105H

Enclosed are the results of analyses for samples received by the laboratory on 10/04/24 16:18.

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

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

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

Accreditation applies to public drinking water matrices.

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 DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	10/04/2024	Sampling Date:	10/04/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 40A 4' (H246071-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2024	ND	2.17	108	2.00	0.572	
Toluene*	<0.050	0.050	10/05/2024	ND	2.09	104	2.00	0.966	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.13	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.34	106	6.00	1.40	
Total BTEX	<0.300	0.300	10/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/07/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2024	ND	201	101	200	2.23	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	10/04/2024	Sampling Date:	10/04/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 63A 4' (H246071-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2024	ND	2.17	108	2.00	0.572	
Toluene*	<0.050	0.050	10/05/2024	ND	2.09	104	2.00	0.966	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.13	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.34	106	6.00	1.40	
Total BTEX	<0.300	0.300	10/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	10/07/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2024	ND	201	101	200	2.23	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	10/04/2024	Sampling Date:	10/04/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	PLU 20 BRUSHY DRAW 124H & 105H	Sampling Condition:	Cool & Intact
Project Number:	03C1558318 & 03C1558482	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.11170-103.90534		

Sample ID: FS 64 4' (H246071-03)

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	10/05/2024	ND	2.17	108	2.00	0.572	
Toluene*	<0.050	0.050	10/05/2024	ND	2.09	104	2.00	0.966	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.13	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.34	106	6.00	1.40	
Total BTEX	<0.300	0.300	10/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	10/07/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2024	ND	201	101	200	2.23	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg 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 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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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose share there applied by the services arise of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

wer	Lab I.D.	ampler Name	oject Locatio	olect Name:		1.	ddress: 312	roject Manaç	ompany Nar
FS40A FS63A FS64	Sample I.D.	c Uriel Santillana	on: 32,11170, -103	PLU 20 Brushy D		5.017.30.0	2 National Parks I	per: Tracy Hillard	101 East Marland, Hobbs, NM 38240 (575) 393-2326 FAX (575) 393-2476 Company Name: Ensolum, LLC
4.4.4.	Depth (feet)		90534	482Project Own	Fax #:	State:NM	twy		and, Hobbs, NM 88240 126 FAX (575) 393-2476
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QUESTIONS

Action 423854

QUESTIONS		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	423854	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405057797
Incident Name	NAPP2405057797 POKER LAKE UNIT 20-8 BD 105H @ 30-015-53240
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-53240] POKER LAKE UNIT 20 8 BD #105H

Location of Release Source

Please a	nswer	all the	questions	in this	group.

Site Name	POKER LAKE UNIT 20-8 BD 105H
Date Release Discovered	02/05/2024
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 Other (Specify) Produced Water Released: 21 BBL Recovered: 18 BBL Lost: 3 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)	Blender	

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QUESTIONS, Page 2

Action 423854

QUESTIONS (continued)		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	423854	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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Nature and Volume of Release (continued)			
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.		
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No		
Reasons why this would be considered a submission for a notification of a major release	Unavailable.		
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.			

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/23/2025	

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QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	423854
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 100 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 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 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
Requesting a remediation plan approval with this submission	Yes		
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.			
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)			
Chloride (EPA 300.0 or SM4500 Cl B)	3120		
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	17.9		
GRO+DRO (EPA SW-846 Method 8015M)	17.9		
BTEX (EPA SW-846 Method 8021B or 8260B)	0		
Benzene (EPA SW-846 Method 8021B or 8260B)	0		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,		
On what estimated date will the remediation commence	06/18/2024		
On what date will (or did) the final sampling or liner inspection occur	10/04/2024		
On what date will (or was) the remediation complete(d)	10/04/2024		
What is the estimated surface area (in square feet) that will be reclaimed	15792		
What is the estimated volume (in cubic yards) that will be reclaimed	875		
What is the estimated surface area (in square feet) that will be remediated	15792		
What is the estimated volume (in cubic yards) that will be remediated	940		
These estimated dates and measurements are recognized to be the best guess or calculation at the tin	ne 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.

QUESTIONS, Page 3

Action 423854

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QUESTIONS, Page 4

Action 423854

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QUESTIONS (continued) OGRID Operator **XTO ENERGY, INC** 5380 6401 Holiday Hill Road Action Number Midland, TX 79707 423854 Action Type [C-141] Remediation Closure Request C-141 (C-141-v-Closure) QUESTIONS Remediation Plan (continued) lease 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 OWL LANDFILL JAL [fJEG1635837366] OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Not answered. (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered. (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc. Not answered. (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered. 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 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: 01/23/2025 The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 423854

QUESTIONS (continued)		
Operator: XTO ENERGY, INC	OGRID: 5380	
6401 Holiday Hill Road Midland, TX 79707	Action Number: 423854	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	423854
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	403334
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/22/2024
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	3000

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	15792	
What was the total volume (cubic yards) remediated	940	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	15792	
What was the total volume (in cubic yards) reclaimed	875	
Summarize any additional remediation activities not included by answers (above)	"Delineation and excavation activities were conducted at the Site to address the January 2024 and February 2024, releases of produced water with FR. Laboratory analytical results for the confirmation soil samples, collected from the final excavation extent, indicated that all COCs were compliant with the Site Closure Criteria and the reclamation requirement. Based on the soil sample analytical results, no further remediation is required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Numbers nAPP2401636864 and nAPP2405057797. "	
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. I hereby agree and sign off to the above statement I hereby agree and sign off to the above statement I hereby agree and sign off to the above statement I hereby agree and sign off to the above statement		

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QUESTIONS (continued)		
Operator: XTO ENERGY, INC	OGRID: 5380	
6401 Holiday Hill Road Midland, TX 79707	Action Number: 423854	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
OUESTIONS		

Reclamation Report

Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Νο

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CONDITIONS

Action 423854

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	423854
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	1/28/2025
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/28/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that eare is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	1/28/2025