

<b>Location:</b>	<b>Ross Draw 25 #31 Battery</b>	
<b>Spill Date:</b>	<b>6/12/2024</b>	
<b>Area 1</b>		
Approximate Area =	23286.40	sq. ft.
Average Saturation (or depth) of spill =	0.50	inches
Average Porosity Factor =	0.15	
<b>VOLUME OF LEAK</b>		
Total Crude Oil =	1.94	bbls
Total Produced Water =	23.98	bbls
<b>Area 2</b>		
Approximate Area =	1209.11	sq. ft.
Average Saturation (or depth) of spill =	1.00	inches
Average Porosity Factor =	0.20	
<b>VOLUME OF LEAK</b>		
Total Crude Oil =	0.27	bbls
Total Produced Water =	3.32	bbls
<b>TOTAL VOLUME OF LEAK</b>		
<b>Total Crude Oil =</b>	<b>6.70</b>	<b>bbls</b>
<b>Total Produced Water =</b>	<b>82.81</b>	<b>bbls</b>
<b>TOTAL VOLUME RECOVERED</b>		
<b>Total Crude Oil =</b>	<b>4.49</b>	<b>bbls</b>
<b>Total Produced Water =</b>	<b>55.51</b>	<b>bbls</b>



March 3, 2025

**New Mexico Oil Conservation Division**

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

**Re: Closure Request  
Ross Draw 25 #31 Battery  
Incident Number NAPP2419856452  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document excavation and soil sampling activities performed at the Ross Draw 25 #31 Battery (Site). The purpose of excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan (Work Plan)*, was to address impacted soil from a release of crude oil and produced water at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further remediation for Incident Number NAPP2419856452.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit D, Section 25, Township 26 South, Range 29 East, in Eddy County, New Mexico (32.01946°, -103.94272°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On June 12, 2024, corrosion of a dump line resulted in the release of 7 barrels (bbls) of crude oil and 83 bbls of produced water onto the pad surface and into the adjacent pasture area. A vacuum truck was immediately dispatched and recovered 4 bbls of crude oil and 56 bbls of produced water. XTO submitted a Notification of Release (NOR) and an Initial C-141 Application (C-141) on July 16, 2024. The release was assigned Incident Number NAPP2419856452.

Ensolum conducted Site assessment and delineation activities and presented the results in a *Work Plan*. The *Work Plan* was submitted on August 29, 2024, and approved by the New Mexico Oil Conservation Division (NMOCD) the same day. The *Work Plan* proposed excavation of impacted soil identified during delineation activities. The approved *Work Plan* proposed the following:

- Excavation of 23,286 square feet on pad and 1,200 square feet of pasture;
- Disposal of approximately 1,360 cubic yards of soil at the R360 landfill disposal facility; and
- Soil sampling would be completed following the NMOCD sampling requirement of every 200 square feet along the floor and sidewalls of the excavation.

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## SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

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

## EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between January 8 and February 21, 2025, Ensolum personnel were onsite to excavate impacted soil according to the approved *Work Plan*. Excavation activities were performed by the use of heavy equipment. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Once field screening indicated impacted soil was adequately removed, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS110 were collected from the floor of the excavation at depths ranging from 1-foot below ground surface (bgs) to 3 feet bgs. Confirmation soil samples SW01 through SW14 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 2 feet bgs. Confirmation soil samples CS01 through CS08 were collected from areas not excavated at a depth of 0.5 feet bgs. The confirmation soil sample locations were mapped utilizing a handheld global positioning system (GPS) unit and are depicted on Figure 1. Photographic documentation of the excavation activities and final excavation extent is provided in Appendix A.

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

The final excavation extent measured approximately 21,975 square feet. A total of approximately 840 cubic yards of impacted soil were removed during the excavation activities. The impacted soil is in process of being transported and disposed of at the OWL Landfill Disposal Facility in Jal, New Mexico. The disposal manifests of disposal completed to-date are included in Appendix B. The final excavation backfill is ongoing with material purchased locally and is being recontoured to match pre-existing Site conditions. One representative 5-point composite sample (BF01) was collected from the topsoil backfill material and one representative 5-point composite sample (BF02) was collected from the caliche backfill

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material. The backfill soil samples were collected and handled as described above and submitted to Cardinal for the same COCs listed above.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation soil samples indicated all COCs were in compliance with Site Closure Criteria. Laboratory analytical results for all samples from the pasture area indicated they were in compliance with reclamation requirements. Confirmation soil samples CS03 and CS07 indicated TPH concentrations exceeded Site Closure Criteria and were surface scraped and recollected. Laboratory analytical results for backfill soil samples indicated all COCs were in compliance with reclamation requirements. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix C.

## CLOSURE REQUEST

Excavation activities were conducted at the Site in accordance with the *Work Plan* to address the June 12, 2024 release of crude oil and produced water. The approved August 29, 2024, *Work Plan* is included in Appendix D. Laboratory analytical results for all final excavation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. Approximately 74 cubic yards of waste-containing soil remain in place over an estimated 2,000 square foot area on pad that will be addressed at pad abandonment. The final excavation backfill is ongoing with material purchased locally and is being recontoured to match pre-existing Site conditions.

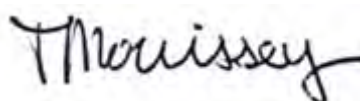
Excavation of soil has removed impacted soil from the area. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2419856452.

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

Sincerely,  
**Ensolum, LLC**



Tracy Hillard  
Project Engineer



Tacoma Morrissey  
Associate Principal

cc: Robert Woodall, XTO  
Kaylan Dirkx, XTO  
BLM

### Appendices:

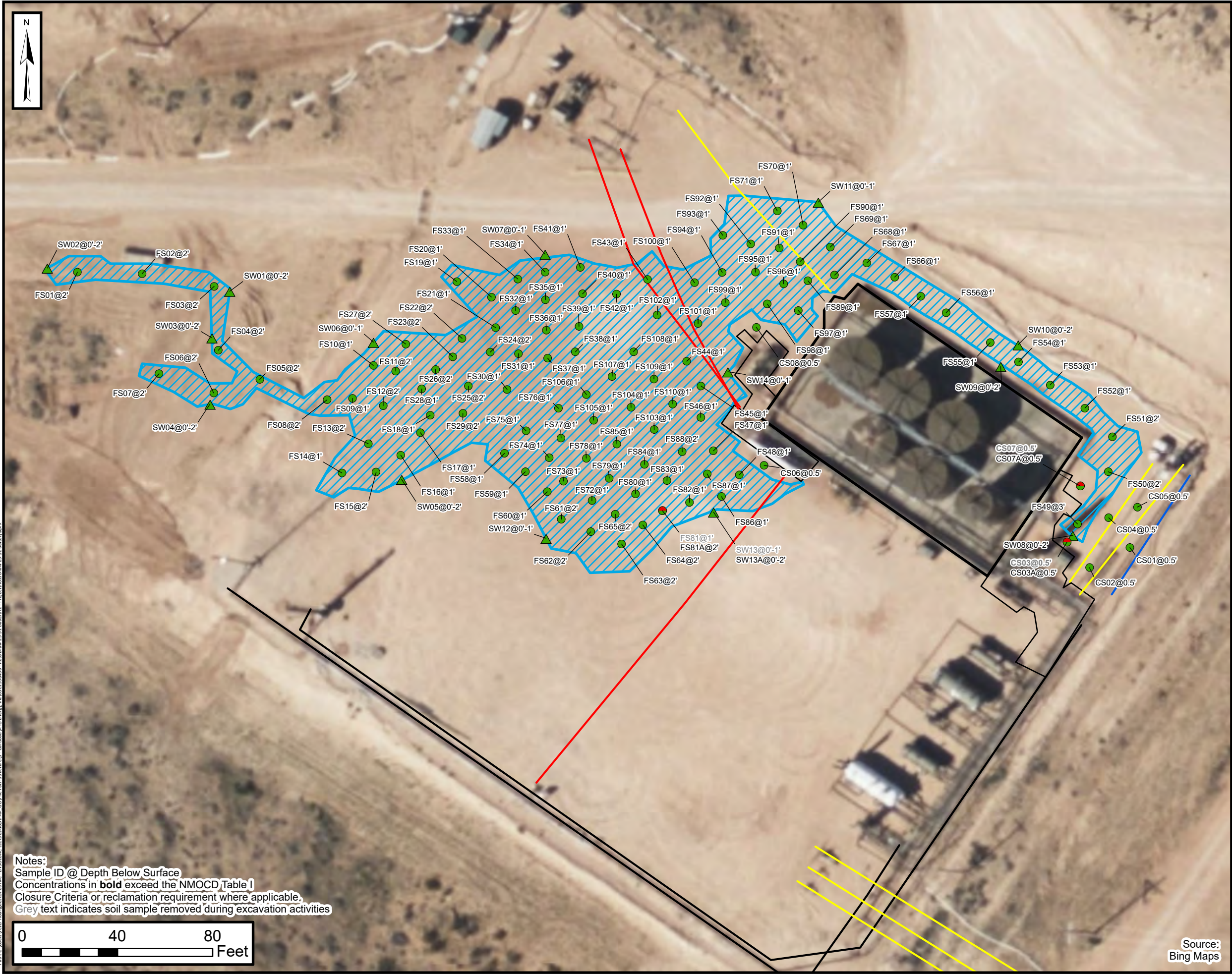
Figure 1	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Photographic Log
Appendix B	Disposal Manifests
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	August 29, 2024, <i>Remediation Work Plan</i>





FIGURES





LEGEND

- Sidewall Sample Compliant with Closure Criteria
- Confirmation Soil Sample Compliant with Closure Criteria
- Confirmation Soil Sample Formerly Not Compliant with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Production Equipment Utility Line
- Water Utility Line
- Lined Containment
- Production Equipment
- Excavation Extent



Excavation Soil Sample Locations

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 Ross Draw 25-31 Battery  
 Incident Number: nAPP2419856452  
 Eddy County, New Mexico  
 32.01946, -103.94272

Figure 1

Incident Number: NAPP2419856452





TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Ross Draw 25 #31 Battery  
 XTO Energy, Inc  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Assessment Soil Samples										
SS01	06/14/2024	0.5	<0.050	<0.300	<10.0	515	126	515	641	5,200
BH01	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS02	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,320
BH02	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
BH02A	08/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS03	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,400
BH03	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS04	06/14/2024	0.5	<0.050	<0.300	10.1	81.7	<10.0	91.8	91.8	12,400
BH04	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS05	06/14/2024	0.5	0.122	0.876	19.5	2,120	441	2,140	2,581	14,000
BH05	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS06	06/14/2024	0.5	<0.050	<0.300	65.8	5,580	1,040	5,646	6,656	11,400
SS07	06/14/2024	0.5	<0.050	0.871	164	9,440	1,830	9,574	11,404	11,000
BH07	08/08/2024	1	<0.050	<0.300	<10.0	11.1	<10.0	11.1	11.1	128
SS08	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,800
BH08	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SS09	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,200
BH09	08/08/2024	2	<0.050	<0.300	<10.0	10.2	<10.0	10.2	10.2	928
SS10	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS11	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS12	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS13	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS14	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS15	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS16	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Confirmation Soil Samples										
FS01	01/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS02	01/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS03	01/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS04	01/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS05	01/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0



**TABLE 1**  
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 Ross Draw 25 #31 Battery  
 XTO Energy, Inc  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS06	01/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS07	01/13/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS08	01/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS09	01/13/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS10	01/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS11	01/14/2025	2	<0.050	<0.300	<10.0	23.1	<10.0	23.1	23.1	224
FS12	01/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS13	01/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS14	01/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS15	01/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS16	01/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS17	01/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS18	01/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS19	01/14/2025	1	<0.050	<0.300	<10.0	15.2	<10.0	15.2	15.2	176
FS20	01/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS21	01/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS22	01/20/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS23	01/20/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS24	01/20/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS25	01/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS26	01/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS27	01/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS28	01/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS29	01/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS30	01/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS31	01/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS32	01/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS33	01/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS34	01/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS35	01/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS36	01/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS37	01/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Ross Draw 25 #31 Battery  
 XTO Energy, Inc  
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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	1,000	2,500	20,000
FS38	01/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS39	01/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS40	01/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS41	01/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS42	01/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS43	01/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS44	01/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS45	01/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS46	01/22/2025	1	<0.050	<0.300	<10.0	46.4	<10.0	46.4	46.4	160
FS47	01/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS48	01/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS49	01/23/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS50	01/23/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS51	01/23/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS52	01/23/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS53	01/23/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS54	01/23/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
FS55	01/23/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
FS56	01/23/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS57	01/23/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS58	01/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS59	01/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS60	01/29/2025	1	<0.050	<0.300	<10.0	64.3	<10.0	64.3	64.3	112
FS61	01/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS62	01/30/2025	2	<0.050	<0.300	<10.0	135	16.2	151	151	48.0
FS63	01/31/2025	2	<0.050	<0.300	<10.0	26.3	<10.0	26.3	26.3	64.0
FS64	01/31/2025	2	<0.050	<0.300	29.8	631	81.5	713	742	64.0
FS65	01/31/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS66	01/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS67	01/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS68	01/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS69	01/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Ross Draw 25 #31 Battery  
 XTO Energy, Inc  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS70	01/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
FS71	01/29/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS72	01/31/2025	1	<0.050	<0.300	<10.0	418	66.1	484	484	208
FS73	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS74	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS75	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS76	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS77	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS78	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS79	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS80	01/31/2025	1	<0.050	<0.300	<10.0	248	35.8	284	284	80.0
FS81	01/31/2025	1	<0.050	<0.300	15.4	1,640	283	1,893	1,908	560
FS81A	02/21/2025	2	<0.050	<0.300	<10.0	54.2	<10.0	54.2	54.2	7,860
FS82	01/31/2025	1	<0.050	<0.300	<10.0	369	69.1	438	438	384
FS83	01/31/2025	1	<0.050	<0.300	<10.0	387	43.8	431	431	32.0
FS84	01/31/2025	1	<0.050	<0.300	<10.0	18.1	<10.0	18.1	18.1	96.0
FS85	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS86	01/31/2025	1	<0.050	<0.300	<10.0	201	13.3	214	214	208
FS87	01/31/2025	1	<0.050	<0.300	<10.0	133	12.3	145	145	352
FS88	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS89	01/31/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS90	01/31/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS91	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS92	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS93	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS94	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS95	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
FS96	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,060
FS97	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS98	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS99	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS100	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272





**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Ross Draw 25 #31 Battery  
 XTO Energy, Inc  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS101	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS102	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS103	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS104	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS105	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS106	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS107	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS108	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS109	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS110	01/31/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW01	01/14/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW02	01/14/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW03	01/14/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW04	01/14/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW05	01/16/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW06	01/16/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW07	01/20/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW08	01/23/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW09	01/23/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW10	01/23/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW11	01/23/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW12	01/31/2025	0-1	<0.050	<0.300	<10.0	23.6	<10.0	23.6	23.6	208
SW13	01/31/2025	0-1	<0.050	<0.300	<10.0	600	81.2	681	681	80.0
SW13A	02/21/2025	0-2	<0.050	<0.300	<10.0	97.7	29.2	97.7	127	8,200
SW14	01/31/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS01	01/31/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,840
CS02	01/31/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,730
CS03	01/31/2025	0.5	<0.050	<0.300	<10.0	1,570	316	1,886	1,886	8,480
CS03A	02/21/2025	0.5	<0.050	<0.300	<10.0	46.5	<10.0	46.5	46.5	11,800
CS04	01/31/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
CS05	01/31/2025	0.5	<0.050	<0.300	<10.0	32.0	<10.0	32.0	32.0	400
CS06	01/31/2025	0.5	<0.050	<0.300	<10.0	227	73.3	300	300	3,400



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Ross Draw 25 #31 Battery  
 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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
CS07	01/31/2025	0-5	<0.050	<0.300	<10.0	2,020	452	2,472	2,472	3,360
CS07A	02/21/2025	0.5	<0.050	<0.300	<10.0	76.3	16.1	76.3	92.4	9,200
CS08	01/31/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
<b>Backfill Soil Samples</b>										
BF01	1/22/2025	-	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
BF02	1/22/2025	-	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320

## Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



## APPENDIX A

### Photographic Log

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**Photographic Log**

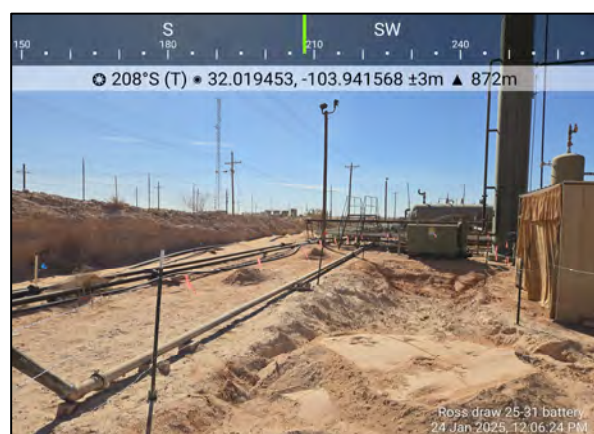
XTO Energy, Inc  
Ross Draw 25 #31 Battery  
nAPP2419856452



Photograph: 1 Date: 1/08/2025  
Description: Excavation Activities  
View: Northwest



Photograph: 2 Date: 1/20/2025  
Description: Excavation Activities  
View: Southeast



Photograph: 3 Date: 1/24/2025  
Description: Excavation Activities  
View: Southwest



Photograph: 4 Date: 1/29/2025  
Description: Excavation Activities  
View: Southwest

**Photographic Log**

XTO Energy, Inc  
Ross Draw 25 #31 Battery  
nAPP2419856452



Photograph: 5                      Date: 1/28/2025  
Description: Excavation Activities  
View: Northwest



Photograph: 6                      Date: 1/29/2025  
Description: Excavation Activities  
View: South



Photograph: 7                      Date: 1/31/2025  
Description: Excavation Activities  
View: East



Photograph: 8                      Date: 1/31/2025  
Description: Excavation Activities  
View: Southeast



## APPENDIX B

### Disposal Manifests

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**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Retz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0367258**

COMPANY NAME: XTO

DATE: 11-20-25

LEASE: Ross Draw 25-31H TB

PHONE: \_\_\_\_\_

AFE #: EW-2024-14389

API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

☐ BBLs

RIG NAME: CC-1141251001

WELL #: \_\_\_\_\_

20

☒ YARDS

**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☒ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Semtex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 03

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 527

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**

DRIVER: Cornelio Rempel

DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 11/20/25

TIME IN: 1:38

AM / ☒ PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM  
TESTING:

(Less than 50  
MCR)

H<sub>2</sub>O  
S

Shake Out:

1	2	3

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name) \_\_\_\_\_

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Retz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0402181**

COMPANY NAME: XTO Ross Draw 2E-31 HTP

DATE: \_\_\_\_\_

LEASE: \_\_\_\_\_

PHONE: \_\_\_\_\_

AFE #: EW: 202414389 API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs  
20 ☒ YARDS

RIG NAME: QC: 441251001 WELL #: \_\_\_\_\_

STATE & COUNTY ORIGIN: Lea N.M.

**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

☐ Rig Trash

☐ Pit Liners

☐ Other: \_\_\_\_\_

Authorize Washout?

☐ Yes

☒ No

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name Kent Retz

Date \_\_\_\_\_

Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: SEM Tex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 58

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 298

DATE RECEIVED: \_\_\_\_\_ TIME RECEIVED: ☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_ ☐ PM

NAME: Willy Wier

PHONE #: 432/202-08-51

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: Gustavo Ruiz

DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 1/20/25

TIME IN: 5:23 AM / ☒ PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

**NORM TESTING:**

(Less than 50 MCR)

Shake Out:

1	2	3

298489

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_  
Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Retz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0402180**

COMPANY NAME: XTO Ross Draw 25-31H TB

DATE: \_\_\_\_\_

LEASE: \_\_\_\_\_

PHONE: \_\_\_\_\_

AFE #: FW-202414339 API: \_\_\_\_\_

RIG NAME: CR:114/251001

WELL #: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

☐ BBLs

20

☒ YARDS

**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name Kent Retz

Date \_\_\_\_\_

Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Sen Tex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 58

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 298

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_

RECEIVED: \_\_\_\_\_

☐ PM

NAME: Willy Wier

PHONE #: 422/209.0851

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: Gustavo Ruiz

DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 1/20/25

TIME IN: 1:36

AM / PM AM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM  
TESTING:

(Less than 50  
MCR)

H<sub>2</sub>O  
S

Shake Out:

1	2	3

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Ratz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0402182**

COMPANY NAME: XTO Ross Draw 25-31H TP

DATE: \_\_\_\_\_

LEASE: \_\_\_\_\_

PHONE: \_\_\_\_\_

AFE #: EW-2024-14387 API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: CC:1141251001 WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE & COUNTY ORIGIN: \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name Kent Ratz Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Seni Tex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 58

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 293

DATE \_\_\_\_\_ TIME \_\_\_\_\_ ☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_ RECEIVED: \_\_\_\_\_ ☐ PM

NAME: Willy Wier

PHONE #: 432/209-0851

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: Gustavo Ruiz

DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 1/24/25

TIME IN: 4:32 AM / PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

**NORM TESTING:**

(Less than 50 MCR)

H<sub>2</sub>O  
S

Shake Out:		
1	2	3

249720

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_  
Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0383407**COMPANY NAME: XTODATE: 1-30-25LEASE: ROSS Draw 15-31 H T B

PHONE: \_\_\_\_\_

AFE #: E.W. 2024.14389

API: \_\_\_\_\_

RIG NAME: CC-1141951001

WELL #: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

☐ BBLs☒ YARDS**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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☐ Rig Trash☐ Pit Liners

Authorize Washout?



Yes



No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sentex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 39

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 0304

DATE \_\_\_\_\_

TIME \_\_\_\_\_

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_

RECEIVED: \_\_\_\_\_

☐ PMNAME: Willy WinderPHONE #: 432-209-0851

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: Corny Reimer

(Driver's Name Printed)

DRIVER'S SIGNATURE: Corny Reimer**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: 1/20/25TIME IN: 1:34

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING:

PAINT FILTER:

PASS

FAIL

N/A

TCLP:

PASS

FAIL

N/A

TOX:

PASS

FAIL

N/A

NORM

TESTING:

(Less than 50 MCR)

Shake Out:

1

2

3

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0383408**COMPANY NAME: XTODATE: 1-20-25LEASE: Ross Draw 25-31 HTB

PHONE: \_\_\_\_\_

AFE #: EW. 2024.14389

API: \_\_\_\_\_

RIG NAME: CC 1141251001

WELL #: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

☐ BBLs☒ YARDS**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☒ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sentex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 39

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 0304

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_

RECEIVED: \_\_\_\_\_

☐ PMNAME: Willy WiedlerPHONE #: Willy Wiedler

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: Corny Reimer

(Driver's Name Printed)

DRIVER'S SIGNATURE: Corny Reimer**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: 1/20/25TIME IN: 2:00

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM

TESTING: \_\_\_\_\_

(Less than 50 MCR)

H<sub>2</sub>O

Shake Out:		
1	2	3

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





# **OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0383409**

COMPANY NAME: XTO

DATE: 1-23-25

LEASE: ROSS DRAW 25-31 HT B

PHONE: \_\_\_\_\_

A/E #: EW-2024.14389 API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

☐ BBLs

RIG NAME: CC-1141251001 WELL #: \_\_\_\_\_

20

☒ YARDS

**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

## **TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Semtex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 39

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 0304

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_

RECEIVED: \_\_\_\_\_

☐ PM

NAME: Willy Nietzer

PHONE #: 432-909-0851

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: Corny Reimer

DRIVER'S SIGNATURE: Corny Reimer

(Driver'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: 1/25/25

TIME IN: \_\_\_\_\_

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM

TESTING:

(Less than 50 MCR)

Shake Out:

H<sub>2</sub>O

1	2	3

299390

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





# **OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Ketz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0383410**

COMPANY NAME: XTO

DATE: 1-29-25

LEASE: Ross Draw 25-31-HTB

PHONE: \_\_\_\_\_

AFE #: Env. 2024.14389

API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

☐ BBLs

RIG NAME: CC-1191251001

WELL #: \_\_\_\_\_

20

☒ YARDS

**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☒ **RCRA EXEMPT:**

Oilfield 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:**

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

## **TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Sentex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 39

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 0504

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_

RECEIVED: \_\_\_\_\_

☐ PM

NAME: Willy Winder

PHONE #: 432-209-0851

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: Corny Reimer

(Driver's Name Printed)

DRIVER'S SIGNATURE: Paul Jones

**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: 1/29/25

TIME IN: 5:21

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

**NORM TESTING:**

(Less than 50 MCR)

Shake Out:

1

2

3

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptances testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





### OWL Landfill Services, LLC

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Retz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

### MANIFEST #

0355423

Belly Damp

COMPANY NAME: XTO

DATE: 1-20-25

LEASE: Boss Draw 25-31 HTR

PHONE: \_\_\_\_\_

AFE #: 2024.14389 API: CC 1141251001

QUANTITY: \_\_\_\_\_ ☐ BBLs  
20 ☒ YARDS

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

STATE & COUNTY ORIGIN: \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name

Willy Wierler

Date

Signature

432 909 0851

### TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: Sem Tex Mex

YARD #: 20

WHP #: \_\_\_\_\_

TRUCK #: 102

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: \_\_\_\_\_

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**

DRIVER: Peter Thiessen

(Driver's Name Printed)

DRIVER'S SIGNATURE: Peter Thiessen

**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: 1-20-25

TIME IN: 12:49

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM

TESTING:

(Less than 50 MCR)

Shake Out:

1	2	3
HA	HA	HA
HA	HA	HA

298383

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: Judy

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Retz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0359329**

COMPANY NAME: XTO

DATE: 1-23-25

LEASE: Draw 25-31 H T B

PHONE: \_\_\_\_\_

AFE #: EW. 2024.14389 API: 1141251001

QUANTITY: \_\_\_\_\_ ☐ BBLs  
20 ☐ YARDS

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

STATE & COUNTY ORIGIN: \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: SLM Tex Mex YARD #: 20 WHP #: \_\_\_\_\_ TRUCK #: 60

ADDRESS: Seminole, TX 79360 TICKET #: \_\_\_\_\_ ROLL OFF BIN#: \_\_\_\_\_ TRAILER #: 223

DATE RECEIVED: 1-23-25 TIME RECEIVED: 3:00 ☐ AM ☒ PM DISPATCHER NAME: Wilhem Weiler DISPATCHER PHONE #: 932-209-0851

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: Domingo Baeza DRIVER'S SIGNATURE: Domingo Baeza  
(Driver'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: 1/23/25 TIME IN: 4:51 AM / PM  
TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill  
2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_  
WASHOUT: TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A  
TCLP: PASS FAIL N/A  
TOX: PASS FAIL N/A

NORM TESTING: P  
(Less than 50 MCR)

Shake Out:		
1	2	3
H <sub>2</sub> O		
S		

299388

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_  
Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0359330**COMPANY NAME: XTODATE: 1-23-25LEASE: Draw 25-31H TB

PHONE: \_\_\_\_\_

AFE #: EW, 2094, 14389 API: 1141251001QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE &amp; COUNTY ORIGIN: \_\_\_\_\_

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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sem Tex Mex YARD #: 20 WHP #: \_\_\_\_\_ TRUCK #: 60ADDRESS: Seminole, TX 79360 TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: 223DATE RECEIVED: 1-23-25 TIME RECEIVED: \_\_\_\_\_ ☐ AM ☐ PMDISPATCHER NAME: Wilhelm Weiler DISPATCHER PHONE #: 432-209-0857

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: Domingo Baeza DRIVER'S SIGNATURE: Domingo Baeza

(Driver'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: 1/24/25 TIME IN: 11:46 AM / PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/ATCLP: PASS FAIL N/ATOX: PASS FAIL N/A**NORM TESTING:**

(Less than 50 MCR)

H<sub>2</sub>O  
S

Shake Out:

1	2	3

299724

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_ Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





### OWL Landfill Services, LLC

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: [Signature]  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

MANIFEST #

0367257

COMPANY NAME: XTO

DATE: 11-6-25

LEASE: Ross Draw 25-311 TB

PHONE: \_\_\_\_\_

AFE #: EW 2024.14389 API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: CC 1111251001 WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE & COUNTY ORIGIN: \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

### TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: Sentex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 03

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 527

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**

DRIVER: Cornelio Regalado

(Driver's Name Printed)

DRIVER'S SIGNATURE: [Signature]

**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: 11-6-25

TIME IN: 3:44

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING:

PAINT FILTER:

PASS

FAIL

N/A

TCLP:

PASS

FAIL

N/A

TOX:

PASS

FAIL

N/A

NORM

TESTING:

(Less than 50 MCR)

Shake Out:

1

2

3

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White: Generator Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Rent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0355422**Belly DampCOMPANY NAME: XTODATE: 1 18 25LEASE: Ross Draw 25-31 H TB

PHONE: \_\_\_\_\_

AFE #: 2024-14389 API: CC 1141261001QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE &amp; COUNTY ORIGIN: \_\_\_\_\_

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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name Willy Wieler Date \_\_\_\_\_ Signature 432 209 0851**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sem Tex Mex YARD #: 20 WHP #: \_\_\_\_\_ TRUCK #: 102

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: \_\_\_\_\_

DATE RECEIVED: \_\_\_\_\_ TIME RECEIVED: \_\_\_\_\_ ☐ AM ☐ PM DISPATCHER NAME: \_\_\_\_\_ DISPATCHER PHONE #: \_\_\_\_\_

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: Peter Thiessen DRIVER'S SIGNATURE: Peter Thiessen

(Driver'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: 1-16-25 TIME IN: 5:18 AM / ☒ PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/ATCLP: PASS FAIL N/ATOX: PASS FAIL N/ANORM  
TESTING:(Less than 50  
MCR)

Shake Out:		
1	2	3

H<sub>2</sub>O  
S297380

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: Man e la  
Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: [Signature]

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





### OWL Landfill Services, LLC

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Betz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

MANIFEST #

0355421

Belly Dump

COMPANY NAME: XTO

DATE: \_\_\_\_\_

LEASE: Ross Draw 25-31H TB

PHONE: \_\_\_\_\_

AFE #: 2024-14389 API: CC1141251001

RIG NAME: 30085-13579 WELL #: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs  
20 ☒ YARDS

STATE & COUNTY ORIGIN: \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name Willy Wieler Date \_\_\_\_\_ Signature 432 209 0851

### TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: Sea Tex Mex YARD #: 20 WHP #: \_\_\_\_\_ TRUCK #: 102

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN#: \_\_\_\_\_ TRAILER #: \_\_\_\_\_

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**

DRIVER: Peter Thiessen DRIVER'S SIGNATURE: Peter Thiessen

(Driver'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: 11/14/25 TIME IN: 12:41 AM / PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_ TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM  
TESTING:

(Less than 50  
MCR)

H<sub>2</sub>O  
S

Shake Out:		
1	2	3

097288

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: Manuela P.  
Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Rent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0355420**Bally PumpCOMPANY NAME: XTODATE: 1 15 25LEASE: Ross Draw 25-31H TB

PHONE: \_\_\_\_\_

AFE #: 9024.14389 API: 51141951001QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE &amp; COUNTY ORIGIN: \_\_\_\_\_

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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name

Willy Wietek

Date

Signature

433 209 0851**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sam Tex Mex YARD #: 20 WHP #: \_\_\_\_\_ TRUCK #: 102

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: \_\_\_\_\_

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**DRIVER: Peter ThiessenDRIVER'S SIGNATURE: Peter Thiessen

(Driver'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: 1/15/25 TIME IN: 5:07 AM / PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM  
TESTING:(Less than 50  
MCR)H<sub>2</sub>O  
S

Shake Out:

1	2	3
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





### OWL Landfill Services, LLC

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Rent Betz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

### MANIFEST #

0355419

COMPANY NAME: XTO

DATE: 1 15 95

LEASE: Ross Draw 25-31H TR

PHONE: \_\_\_\_\_

AFE #: 2024.14389 API: 1141251001

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE & COUNTY ORIGIN: \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name Willy Wierler Date \_\_\_\_\_ Signature 432 909 0851

### TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: Sem Tex Mex YARD #: 20 WHP #: \_\_\_\_\_ TRUCK #: 109

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN#: \_\_\_\_\_ TRAILER #: \_\_\_\_\_

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**

DRIVER: Peter Thiessen

DRIVER'S SIGNATURE: Peter Thiessen

(Driver'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: 1 15 25 TIME IN: 1:49 AM / PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM  
TESTING:

(Less than 50 MCR)

Shake Out:		
1	2	3
<u>MT</u>		
H <sub>2</sub> O		
S		

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0402177**

COMPANY NAME: XTO Ross Draw 25-31H TP

DATE: \_\_\_\_\_

LEASE: \_\_\_\_\_

PHONE: \_\_\_\_\_

AFE #: EW 2024/17389 API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: CC 1191251001 WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE & COUNTY ORIGIN: \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name Kent Retz Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Sen Tex Mex YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 58

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: 298

DATE \_\_\_\_\_ TIME \_\_\_\_\_ ☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_ RECEIVED: \_\_\_\_\_ ☐ PM

NAME: Willy Wicker

PHONE #: 432/209-0851

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: Gustavo Ruiz DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 11/5/25 TIME IN: 5:29 AM / PM

☐ 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

TOX: PASS FAIL N/A

**NORM TESTING:**

(Less than 50 MCR)

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

Shake Out:

1	2	3

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_ Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Ketz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

0402176

COMPANY NAME: XTO Ross Draw 25-31H TPDATE: 1-15-25

LEASE: \_\_\_\_\_

PHONE: \_\_\_\_\_

AFE #: EW-202419382 API: \_\_\_\_\_QUANTITY: \_\_\_\_\_ ☐ BBLsRIG NAME: CC-1141251001 WELL #: \_\_\_\_\_20 ☒ YARDSSTATE & COUNTY ORIGIN: Lea N.M.

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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name

Kent Ketz

Date

Signature

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sen Tex MexYARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 58

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: 298DATE \_\_\_\_\_ TIME \_\_\_\_\_ ☐ AM

DISPATCHER \_\_\_\_\_ DISPATCHER

RECEIVED: \_\_\_\_\_ RECEIVED: \_\_\_\_\_ ☐ PMNAME: Willy Wier PHONE #: 409-209-0251

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: Gustavo Ruiz

DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 1/15/25 TIME IN: 2:01 AM / PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/ATCLP: PASS FAIL N/ATOX: PASS FAIL N/ANORM  
TESTING:  
13(Less than 50  
MCR)H<sub>2</sub>O  
S

Shake Out:

1

2

3

297039

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Keith Retz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

0402179

COMPANY NAME: XTO Ross Draw 25-31H TB

DATE: \_\_\_\_\_

LEASE: \_\_\_\_\_

PHONE: \_\_\_\_\_

AFE #: EW-2024/4389 API: 3001543577QUANTITY: \_\_\_\_\_ ☐ BBLsRIG NAME: CC:1141251001 WELL #: \_\_\_\_\_20 ☒ YARDSSTATE & COUNTY ORIGIN: Lea, NM

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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name Keith Retz Date \_\_\_\_\_ Signature \_\_\_\_\_**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sell Tex Mex YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 58ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: 295DATE \_\_\_\_\_ TIME \_\_\_\_\_ ☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_ RECEIVED: \_\_\_\_\_ ☐ PMNAME: Willy WierPHONE #: 432-209-0851

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: Gustavo Ruiz DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 11/6/25 TIME IN: \_\_\_\_\_ AM / PM

TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/ATCLP: PASS FAIL N/ATOX: PASS FAIL N/ANORM  
TESTING:(Less than 50  
MCR)

Shake Out:		
1	2	3

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_  
Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





### OWL Landfill Services, LLC

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

MANIFEST #

0402178

COMPANY NAME: XTO Ross Draw 25-31H TR

DATE: \_\_\_\_\_

LEASE: \_\_\_\_\_

PHONE: \_\_\_\_\_

AFE #: EW-2024-14289 API: 3001543579

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: CC: 1141251001 WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE & COUNTY ORIGIN: Lea N.M.

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name

Kent Retz

Date

Signature

### TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: Seni Tex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 58

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN #: \_\_\_\_\_

TRAILER #: 298

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_

RECEIVED: \_\_\_\_\_

☐ PM

NAME: Willy Wicker

PHONE #: 432/209 0251

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: Gustavo Ruiz

(Driver's Name Printed)

DRIVER'S SIGNATURE: [Signature]

**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: 11/6/25

TIME IN: 17:01

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM

TESTING:

(Less than 50 MCR)

H<sub>2</sub>O

Shake Out:		
1	2	3

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: [Signature]

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





### OWL Landfill Services, LLC

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Retz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

MANIFEST #

0383406

COMPANY NAME: XTO

DATE: 1-16-25

LEASE: ROSS Drive 25-31 H + B

PHONE: \_\_\_\_\_

A/E #: \_\_\_\_\_ API: CC: 1191251001

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: A/E: EW. 2094.14389 WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE & COUNTY ORIGIN: \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☒ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

### TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: Sentex Mex

YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 39

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: 0309

DATE RECEIVED: \_\_\_\_\_ TIME RECEIVED: \_\_\_\_\_ ☐ AM ☐ PM

DISPATCHER NAME: Willy Wiedler DISPATCHER PHONE #: 432-209-0851

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: Corny Reimer

DRIVER'S SIGNATURE: Corny Reimer

(Driver'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: 1/16/25 TIME IN: 3:46 AM / PM  
TIME OUT: \_\_\_\_\_ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_ TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A  
TCLP: PASS FAIL N/A  
TOX: PASS FAIL N/A

NORM TESTING: P  
(Less than 50 MCR)

H<sub>2</sub>O S

Shake Out:		
1	2	3

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_ Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0361869**

COMPANY NAME: XTO

DATE: 1-16-25

LEASE: ROSS DRAW 25-31 H T2

PHONE: \_\_\_\_\_

AFE #: FW 2024.14389 API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: 1141251001 WELL #: \_\_\_\_\_

20 ☒ YARDS

STATE & COUNTY ORIGIN: ED24

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Sen Tex Mex YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 62

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: \_\_\_\_\_

DATE \_\_\_\_\_ TIME \_\_\_\_\_ ☐ AM

DISPATCHER \_\_\_\_\_ DISPATCHER

RECEIVED: \_\_\_\_\_ RECEIVED: \_\_\_\_\_ ☐ PM

NAME: Willy Wilker PHONE #: 4322090851

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: Tad Curry DRIVER'S SIGNATURE: Tad Curry

(Driver'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: 1/16/25 TIME IN: 4:30 AM / PM

☐ Northern Delaware Basin Landfill

TIME OUT: \_\_\_\_\_ AM / PM

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_ TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

NORM

Shake Out:

TCLP: PASS FAIL N/A

TESTING:

1

2

3

TOX: PASS FAIL N/A

(Less than 50 MCR)

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_ Employee (Printed Name) \_\_\_\_\_ has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Rottz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0367260**

COMPANY NAME: KTO

DATE: 1-31-25

LEASE: Ross Draw 25.314 TB

PHONE: \_\_\_\_\_

A/E #: EW. 2024.14389 API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: CC 1141251001 WELL #: \_\_\_\_\_

20 ☒ YARDS

**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☒ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Sentex Mex YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 03

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN#: \_\_\_\_\_ TRAILER #: 527

DATE RECEIVED: \_\_\_\_\_ TIME RECEIVED: \_\_\_\_\_ ☐ AM ☐ PM DISPATCHER NAME: \_\_\_\_\_ DISPATCHER PHONE #: \_\_\_\_\_

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: Cornelio Rempel DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 1/31/25 TIME IN: 5:39 AM / PM

☐ Northern Delaware Basin Landfill  
2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_ TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A  
TCLP: PASS FAIL N/A  
TOX: PASS FAIL N/A

NORM TESTING: \_\_\_\_\_  
(Less than 50 MCR)

Shake Out:		
1	2	3

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_ Employee (Printed Name) has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





**OWL Landfill Services, LLC**  
 DBA: Northern Delaware Basin Landfill  
 3889 Maple Ave. Suite 300  
 Dallas, TX 75219  
 505.231.1212  
 ar@ndblandfill.com

COMPANY MAN: Rene Rote  
 (Authorized Agent's Printed Name and Title)  
 SIGNATURE: \_\_\_\_\_  
 COMPANY MAN EMAIL: \_\_\_\_\_  
 COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**  
**0386838**

**Part 1 - Generator**

COMPANY NAME: XTO DATE: \_\_\_\_\_  
 LEASE: Phu H 53 PHONE: \_\_\_\_\_  
 AFE #: \_\_\_\_\_ API: 30-015-23783  
 RIG NAME: \_\_\_\_\_ WELL #: #53  
**STATE & COUNTY ORIGIN:** Edgy

Waste Description (check only one box)		<input type="checkbox"/> RCRA Exempt	<input type="checkbox"/> RCRA Non-Exempt
<input type="checkbox"/> Water Based Cuttings (DRY)	<input type="checkbox"/> Water Based Cuttings (WET)	<input type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Produced Sands
<input type="checkbox"/> Oil Based Cuttings (DRY)	<input type="checkbox"/> Oil Based Cuttings (WET)	<input type="checkbox"/> Injectable Fluids	<input type="checkbox"/> Non-Injectable Fluids
<input type="checkbox"/> Oil Base Mud	<input type="checkbox"/> Water Base Mud	<input type="checkbox"/> Muds w/Cement	<input type="checkbox"/> Tank Bottoms
<input type="checkbox"/> Rig Trash	<input type="checkbox"/> Pit Liners	Authorize Washout? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Other: _____			

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)

☐ RCRA EXEMPT: Oilfield 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: Oilfield 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)

☐ SDS Information ☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**Part 2 - Transporter**

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Scor Tex mci YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 7  
 ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN#: \_\_\_\_\_ TRAILER #: 0237  
 DATE RECEIVED: \_\_\_\_\_ TIME RECEIVED: ☐ AM ☐ PM DISPATCHER NAME: \_\_\_\_\_ DISPATCHER PHONE #: \_\_\_\_\_

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: Robert Harper DRIVER'S SIGNATURE: \_\_\_\_\_  
 (Driver's Name Printed)

**I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

**Part 3 - Disposal Facility**

**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

DATE: 11/29/25 TIME IN: 12:00 AM/PM: AM  
 TIME OUT: \_\_\_\_\_ AM/PM: \_\_\_\_\_

WASHOUT BY: \_\_\_\_\_  
 WASHOUT: \_\_\_\_\_ TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING:	PAIN FILTER:	PASS	FAIL	N/A
	TCLP:	PASS	FAIL	N/A
	TOX:	PASS	FAIL	N/A

**NORM TESTING:** 6  
 (Less than 50 MCR)

**Shake Out:**

1	2	3

**Gallon Test:** \_\_\_\_\_

SERVICE NOTES:  
 This is to certify that: \_\_\_\_\_ Employee (Printed Name)  
 EMPLOYEE SIGNATURE: \_\_\_\_\_

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.





**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Brent Ketchum

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0386841**

COMPANY NAME: XTO

DATE: \_\_\_\_\_

LEASE: 20 H 53

PHONE: \_\_\_\_\_

AFE #: \_\_\_\_\_ API: 30-015-2378

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: \_\_\_\_\_ WELL #: H 53

20 ☒ YARDS

STATE & COUNTY ORIGIN: Loddy

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Sent Tex Inc YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 7

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: 0222

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**

DRIVER: Brent Ketchum DRIVER'S SIGNATURE: [Signature]

(Driver'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: 11/30/25 TIME IN: 5:10 AM/PM

TIME OUT: \_\_\_\_\_ AM/PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_ TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

**NORM**

**TESTING:**

(Less than 50 MCR)

Shake Out:

1	2	3

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_ Employee (Printed Name) has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Rott  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

0359331

COMPANY NAME: DMX TODATE: 2-1-25LEASE: Ross Draw 25-31H TB

PHONE: \_\_\_\_\_

AFE #: EW.2024.14389 API: SC 1141251001QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

20 ☒ YARDSSTATE & COUNTY ORIGIN: Nm

## 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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sem Tex Mex YARD #: 20 WHP #: \_\_\_\_\_ TRUCK #: 60

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN#: \_\_\_\_\_ TRAILER #: \_\_\_\_\_

DATE RECEIVED: 2-1-25 TIME RECEIVED: 10:00 ☒ AM

DISPATCHER

DISPATCHER

☐ PM

NAME: \_\_\_\_\_

PHONE #: \_\_\_\_\_

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: Domingo Baeza DRIVER'S SIGNATURE: Domingo Baeza

(Driver'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: 2-1-25 TIME IN: \_\_\_\_\_ AM / PM  
TIME OUT: \_\_\_\_\_ AM / PM☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM  
TESTING:(Less than 50  
MCR)

Shake Out:		
1	2	3
H <sub>2</sub> O		
S		

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_  
Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Ketz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0407532**COMPANY NAME: XTOLEASE: Ross Draw 25-31H TBAFE #: 2024-14389 API: 1141251001

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

STATE &amp; COUNTY ORIGIN: \_\_\_\_\_

DATE: 1 31 25

PHONE: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs20 ☒ YARDS

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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name

Willy Wieler

Date

Signature

432 209 0851**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sem Tex MexYARD #: 20

WHP #: \_\_\_\_\_

TRUCK #: 102

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: \_\_\_\_\_

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:**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**DRIVER: Peter ThiessenDRIVER'S SIGNATURE: Peter Thiessen

(Driver'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: 1/31/25TIME IN: 5:31

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM  
TESTING:(Less than 50  
MCR)

Shake Out:

H<sub>2</sub>O  
S

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





### OWL Landfill Services, LLC

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Retz

(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

MANIFEST #

0386847

COMPANY NAME: XTO

DATE: \_\_\_\_\_

LEASE: Koss Draw 25-314 T15

PHONE: \_\_\_\_\_

AFE #: ALF-EW221.14389

API: \_\_\_\_\_

RIG NAME: 1141251001

WELL #: 25-314 T15

QUANTITY: \_\_\_\_\_

☐ BBLs

☐ YARDS

STATE & COUNTY ORIGIN: Edm

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☐ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

### TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: San Tex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 7

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: 0237

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**

DRIVER: Libert Haniel

DRIVER'S SIGNATURE: Libert Haniel

(Driver'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: 11/31/75

TIME IN: 6:06

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING:

PAINT FILTER:

PASS

FAIL

N/A

TCLP:

PASS

FAIL

N/A

TOX:

PASS

FAIL

N/A

NORM

TESTING:

(Less than 50 MCR)

H<sub>2</sub>O

Shake Out:		
1	2	3

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Conv: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





# **OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Reitz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0362771**

COMPANY NAME: XTO

DATE: 2-1-25

LEASE: Ross Draw 25-314 TB

PHONE: \_\_\_\_\_

AFE #: EW.2024.14389 API: \_\_\_\_\_

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: CC.1141851001 WELL #: \_\_\_\_\_

20 ☒ YARDS

**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ **RCRA EXEMPT:** Oilfield 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:** Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

## **TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Semtex Mex YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 54

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: 0305

DATE RECEIVED: \_\_\_\_\_ TIME RECEIVED: \_\_\_\_\_ ☐ AM

DISPATCHER NAME: Willie Wier DISPATCHER PHONE #: 432-209-5108

☐ PM

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: Franz Harder DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 2/1/25 TIME IN: 1:22 AM/PM ☒ AM ☐ PM

☐ Northern Delaware Basin Landfill  
2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_  
WASHOUT: TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A  
TCLP: PASS FAIL N/A  
TOX: PASS FAIL N/A

**NORM TESTING:**  
P  
(Less than 50 MCR)

Shake Out:		
1	2	3
H <sub>2</sub> O		
S		

301561  
Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_  
Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 1 - Generator

Part 2 - Transporter

Part 3 - Disposal Facility





# **OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Ratz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

**0361871**

COMPANY NAME: XTO

DATE: 2.1.25

LEASE: ROSS DIAW 25-31 HTB

PHONE: \_\_\_\_\_

AFE #: 1141251001 API: FW.2024.14389

QUANTITY: \_\_\_\_\_ ☐ BBLs

RIG NAME: \_\_\_\_\_ WELL #: \_\_\_\_\_

20 ☒ YARDS

**STATE & COUNTY ORIGIN:** \_\_\_\_\_

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

☐ Rig Trash

☐ Pit Liners

Authorize Washout?

☐ Yes

☒ No

☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information

☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

## **TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**

COMPANY NAME: Sen Tex Mex

YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 62

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_ ROLL OFF BIN#: \_\_\_\_\_ TRAILER #: \_\_\_\_\_

DATE \_\_\_\_\_ TIME \_\_\_\_\_ ☐ AM

DISPATCHER \_\_\_\_\_ DISPATCHER

RECEIVED: \_\_\_\_\_ RECEIVED: \_\_\_\_\_ ☐ PM

NAME: Willy Wilker PHONE #: 4322090851

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: Tad Curry

DRIVER'S SIGNATURE: \_\_\_\_\_

(Driver'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: 2/1/25 TIME IN: 1:46 AM ☒ PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A  
TCLP: PASS FAIL N/A  
TOX: PASS FAIL N/A

**NORM TESTING:**  
(Less than 50 MCR)

Shake Out:		
1	2	3
H <sub>2</sub> O		
S		

301567

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_  
(Employee (Printed Name))

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Retz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0407533**COMPANY NAME: XTODATE: 1 31 95LEASE: PLU 16 TUR 102 H (Ross P. 94)

PHONE: \_\_\_\_\_

AFE #: 03C1558292API: 20-015-47291RIG NAME: 9334249809WELL #: 1880331001

QUANTITY: \_\_\_\_\_

☐ BBLs☒ YARDS

STATE &amp; COUNTY ORIGIN: \_\_\_\_\_

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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name

Willy Wieler

Date

Signature

432 209 0851**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sen Tex MexYARD #: 20

WHP #: \_\_\_\_\_

TRUCK #: 102

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: \_\_\_\_\_

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:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**DRIVER: Peter Thiessen

(Driver's Name Printed)

DRIVER'S SIGNATURE: Peter Thiessen**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: 2/1/95TIME IN: 1:49

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM  
TESTING:(Less than 50  
MCR)

Shake Out:

1 2 3

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

(Employee (Printed Name))

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300  
Dallas, TX 75219  
505.231.1212  
ar@ndblandfill.com

COMPANY MAN: Kent Rott  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0413202**COMPANY NAME: XTODATE: 1/31/25LEASE: CC-141251001

PHONE: \_\_\_\_\_

AFE #: 6W202414389 API: \_\_\_\_\_RIG NAME: Russ Drums 25-314TB WELL #: \_\_\_\_\_STATE & COUNTY ORIGIN: Eddy

QUANTITY: \_\_\_\_\_ ☐ BBLs  
26 ☒ YARDS

**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☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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)

☐ RCRA EXEMPT:

Oilfield 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:

Oilfield 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)

☐ SDS Information☐ RCRA Hazardous 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 form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sen Tex Mex YARD #: \_\_\_\_\_ WHP #: 8214 TRUCK #: 63ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN #: \_\_\_\_\_ TRAILER #: 0239DATE RECEIVED: \_\_\_\_\_ TIME RECEIVED: \_\_\_\_\_ ☐ AM ☐ PM DISPATCHER NAME: \_\_\_\_\_ DISPATCHER PHONE #: \_\_\_\_\_

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: Adrian Hines DRIVER'S SIGNATURE: Adrian Hines

(Driver'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: 1/31/25 TIME IN: 6:09 AM/PM  
TIME OUT: \_\_\_\_\_ AM/PM☐ Northern Delaware Basin Landfill  
2029 W. NM Highway 128 | Jal, New Mexico 88252WASHOUT BY: \_\_\_\_\_  
WASHOUT: TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A  
TCLP: PASS FAIL N/A  
TOX: PASS FAIL N/A

NORM TESTING: 12

(Less than 50 MCR)

Shake Out:		
1	2	3

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_ Employee (Printed Name) has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator





## APPENDIX C

### Laboratory Analytical Reports & Chain of Custody Documentation

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

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January 14, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 16:10.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/13/2025  
Reported: 01/14/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 01 2' (H250167-01)**

BTX 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	01/14/2025	ND	1.70	85.1	2.00	9.31	
Toluene*	<0.050	0.050	01/14/2025	ND	1.85	92.5	2.00	7.87	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	1.89	94.5	2.00	6.86	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.65	94.2	6.00	7.16	
Total BTX	<0.300	0.300	01/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

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	01/14/2025	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	01/14/2025	ND	187	93.4	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	176	88.1	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/13/2025  
Reported: 01/14/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 02 2' (H250167-02)**

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	01/14/2025	ND	1.70	85.1	2.00	9.31		
Toluene*	<0.050	0.050	01/14/2025	ND	1.85	92.5	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	1.89	94.5	2.00	6.86		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.65	94.2	6.00	7.16		
Total BTEX	<0.300	0.300	01/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	01/14/2025	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	01/14/2025	ND	187	93.4	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	176	88.1	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/13/2025  
Reported: 01/14/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 03 2' (H250167-03)**

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	01/13/2025	ND	1.58	79.0	2.00	13.8	QR-03
Toluene*	<0.050	0.050	01/13/2025	ND	1.70	84.8	2.00	14.9	QR-03
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.80	89.9	2.00	15.8	QR-03
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.33	88.8	6.00	16.5	QR-03
Total BTEx	<0.300	0.300	01/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	01/14/2025	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	01/13/2025	ND	179	89.5	200	6.41	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	178	89.2	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/13/2025  
Reported: 01/14/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 04 2' (H250167-04)**

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	01/13/2025	ND	1.58	79.0	2.00	13.8		
Toluene*	<0.050	0.050	01/13/2025	ND	1.70	84.8	2.00	14.9		
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.80	89.9	2.00	15.8		
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.33	88.8	6.00	16.5		
Total BTEX	<0.300	0.300	01/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/14/2025	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	01/13/2025	ND	179	89.5	200	6.41	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	178	89.2	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/13/2025  
Reported: 01/14/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 05 2' (H250167-05)**

BTX 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	01/13/2025	ND	1.58	79.0	2.00	13.8		
Toluene*	<0.050	0.050	01/13/2025	ND	1.70	84.8	2.00	14.9		
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.80	89.9	2.00	15.8		
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.33	88.8	6.00	16.5		
Total BTX	<0.300	0.300	01/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/14/2025	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	01/13/2025	ND	179	89.5	200	6.41	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	178	89.2	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/13/2025  
Reported: 01/14/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 06 2' (H250167-06)**

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	01/13/2025	ND	1.58	79.0	2.00	13.8		
Toluene*	<0.050	0.050	01/13/2025	ND	1.70	84.8	2.00	14.9		
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.80	89.9	2.00	15.8		
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.33	88.8	6.00	16.5		
Total BTEX	<0.300	0.300	01/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/14/2025	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	01/13/2025	ND	179	89.5	200	6.41	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	178	89.2	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/13/2025  
Reported: 01/14/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 07 2' (H250167-07)**

BTX 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	01/13/2025	ND	1.58	79.0	2.00	13.8		
Toluene*	<0.050	0.050	01/13/2025	ND	1.70	84.8	2.00	14.9		
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.80	89.9	2.00	15.8		
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.33	88.8	6.00	16.5		
Total BTX	<0.300	0.300	01/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/14/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	179	89.5	200	6.41	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	178	89.2	200	4.74	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/13/2025  
Reported: 01/14/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 09 1' (H250167-08)**

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	01/13/2025	ND	1.58	79.0	2.00	13.8		
Toluene*	<0.050	0.050	01/13/2025	ND	1.70	84.8	2.00	14.9		
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.80	89.9	2.00	15.8		
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.33	88.8	6.00	16.5		
Total BTEX	<0.300	0.300	01/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/14/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager





### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]





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

January 16, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/15/25 16:12.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/14/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 08 2' (H250221-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	1.07	
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/14/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 10 1' (H250221-02)**

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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/14/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 01 0-2' (H250221-03)**

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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/16/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/14/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 02 0-2' (H250221-04)**

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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/14/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 03 0-2' (H250221-05)**

BTX 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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/14/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 04 0-2' (H250221-06)**

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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

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### Notes and Definitions

BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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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Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC  
Project Manager: Tracy Hillard  
Address: 3122 National Parks Hwy  
City: Carlsbad State: NM Zip: 88220  
Phone #: 575-937-3906 Fax #:  
Project #: 03C1558436 Project Owner: XTO  
Project Name: Ross Draw 25-31 Battery  
Project Location: 32.01946, -103.94272  
Sampler Name: Jesse Dorman

## BILL TO

P.O. #:  
Company: XTO Energy Inc.  
Attn: Colton Brown  
Address: 3104 E. Green St.  
City: Carlsbad  
State: NM Zip: 88220  
Phone #:  
Fax #:

## ANALYSIS REQUEST

FOR LAB USE ONLY		Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		BTEX	TPH	CHLORIDE	
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER				DATE
H250221	F508	2	1									1/14/25	935			
1	F510	1	1										940			
2	SW01	0-2'											1240			
3	SW02												1245			
4	SW03												1250			
5	SW04												1255			
6																

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Relinquished By:

Date: 1-15-25  
Time: 1:02

Received By:

Relinquished By:

Date:  
Time:

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C 3.5  
Corrected Temp. °C 2.9

Sample Condition  
Cool Intact  
☐ Yes ☒ No  
☐ No ☒ No

CHECKED BY:  
(Initials)

Verbal Result: ☐ Yes ☒ No Add'l Phone #:  
All Results are emailed. Please provide Email address: Thillard@ensolum.com  
BBeill@ensolum.com TMorrissey@ensolum.com, kthomason@ensolum.com

REMARKS: Cost Center: 1056301001 Incident ID: NAPP2419856452

Turnaround Time: Standard ☐ Rush ☒  
#40-0.0 24 hr  
Thermometer ID #113  
Correction Factor 0.5°C  
Bacteria (only) Sample Condition  
Cool Intact Observed Temp. °C  
Yes ☐ No ☒ Yes ☐ No ☒ Corrected Temp. °C





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

January 16, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/15/25 16:12.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/15/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 14 1' (H250222-01)**

BTX 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	01/15/2025	ND	2.22	111	2.00	1.07	
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0	
Total BTX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/15/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 16 1' (H250222-02)**

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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/15/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 11 2' (H250222-03)**

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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	23.1	10.0	01/16/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/15/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 12 2' (H250222-04)**

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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-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	01/16/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/15/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 17 1' (H250222-05)**

BTX 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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/16/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/15/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 18 1' (H250222-06)**

BTX 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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	01/16/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/15/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 19 1' (H250222-07)**

BTX 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	01/15/2025	ND	2.22	111	2.00	1.07		
Toluene*	<0.050	0.050	01/15/2025	ND	2.40	120	2.00	6.20		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.61	131	2.00	10.9		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.91	132	6.00	12.0		
Total BTX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	197	98.7	200	1.89	
DRO >C10-C28*	15.2	10.0	01/16/2025	ND	189	94.4	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/15/2025  
Reported: 01/16/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/15/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 20 1' (H250222-08)**

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	01/16/2025	ND	1.74	87.0	2.00	3.05		
Toluene*	<0.050	0.050	01/16/2025	ND	1.81	90.7	2.00	3.01		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	1.75	87.3	2.00	3.07		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	5.12	85.3	6.00	2.91		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	195	97.7	200	1.29	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	199	99.3	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
Project Manager: Tracy Hillard				P.O. #:																	
Address: 3122 National Parks Hwy				Company: XTO Energy Inc.																	
City: Carlsbad State: NM Zip: 88220				Attn: Colton Brown																	
Phone #: 575-937-3906 Fax #:				Address: 3104 E. Green St.																	
Project #: 03C1558436 Project Owner: XTO				City: Carlsbad																	
Project Name: Ross Draw 25-31 Battery				State: NM Zip: 88220																	
Project Location: 32.01946, -103.94272				Phone #:																	
Sampler Name: Jesse Dorman				Fax #:																	
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	Sample Depth (feet)	(GRAB OR COMPOUND)	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH	CHLORIDE								
	40222	FS14	1	2		GROUNDWATER			1/5/25	1025											
	1	FS16	1	2		WASTEWATER				1035											
	2	FS11	2	2		SOIL				1100											
	3	FS12	2	2		OIL				1105											
	4	FS17	1	2		SLUDGE				1110											
	5	FS18	1	2		OTHER				1115											
	6	FS19	1	2		ACID/BASE				1335											
	7	FS20	1	2		ICE / COOL				1340											
	8	SD																			

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Relinquished By:	Date: 1-5-25	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: 1612		All Results are emailed. Please provide Email address: Thillard@ensolum.com	
Relinquished By:	Date:	Received By:	BBelill@ensolum.com TMorrissey@ensolum.com, kthomason@ensolum.com	
	Time:		REMARKS: Cost Center: 1056301001 Incident ID: NAPP2419856452	
Delivered By: (Circle One)	Observed Temp. °C: 3.5	Sample Condition	Turnaround Time: #140 - 010	Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 2.9	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: #113	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
		Checked By: (Initials)	Correction Factor: 0.5°C	Observed Temp. °C
			24 hr	Corrected Temp. °C





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

January 17, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/16/25 16:07.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 21 1' (H250269-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2025	ND	2.11	106	2.00	3.04	
Toluene*	<0.050	0.050	01/17/2025	ND	2.13	107	2.00	2.68	
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	5.74	
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.47	108	6.00	6.99	
Total BTEX	<0.300	0.300	01/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 28 1' (H250269-02)**

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	01/17/2025	ND	2.11	106	2.00	3.04		
Toluene*	<0.050	0.050	01/17/2025	ND	2.13	107	2.00	2.68		
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	5.74		
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.47	108	6.00	6.99		
Total BTEx	<0.300	0.300	01/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 13 2' (H250269-03)**

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	01/17/2025	ND	2.11	106	2.00	3.04		
Toluene*	<0.050	0.050	01/17/2025	ND	2.13	107	2.00	2.68		
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	5.74		
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.47	108	6.00	6.99		
Total BTEx	<0.300	0.300	01/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 15 2' (H250269-04)**

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	01/17/2025	ND	2.11	106	2.00	3.04		
Toluene*	<0.050	0.050	01/17/2025	ND	2.13	107	2.00	2.68		
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	5.74		
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.47	108	6.00	6.99		
Total BTEx	<0.300	0.300	01/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 05 0-2' (H250269-05)**

BTX 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	01/17/2025	ND	2.20	110	2.00	1.93	
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20	
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70	
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19	
Total BTX	<0.300	0.300	01/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 06 0-1' (H250269-06)**

BTX 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	01/17/2025	ND	2.20	110	2.00	1.93	
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20	
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70	
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19	
Total BTX	<0.300	0.300	01/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/17/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 29 2' (H250269-07)**

BTX 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	01/17/2025	ND	2.20	110	2.00	1.93	
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20	
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70	
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19	
Total BTX	<0.300	0.300	01/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-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	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 27 2' (H250269-08)**

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	01/17/2025	ND	2.20	110	2.00	1.93		
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20		
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70		
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19		
Total BTEx	<0.300	0.300	01/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 26 2' (H250269-09)**

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	01/17/2025	ND	2.20	110	2.00	1.93		
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20		
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70		
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19		
Total BTEx	<0.300	0.300	01/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/16/2025  
Reported: 01/17/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/16/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 25 2' (H250269-10)**

BTX 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	01/17/2025	ND	2.20	110	2.00	1.93		
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20		
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70		
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19		
Total BTX	<0.300	0.300	01/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/17/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager







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---

January 21, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/20/25 16:05.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 22 2' (H250334-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2025	ND	1.89	94.4	2.00	1.75	
Toluene*	<0.050	0.050	01/20/2025	ND	1.98	98.9	2.00	1.56	
Ethylbenzene*	<0.050	0.050	01/20/2025	ND	1.90	94.8	2.00	1.14	
Total Xylenes*	<0.150	0.150	01/20/2025	ND	5.60	93.4	6.00	1.13	
Total BTEX	<0.300	0.300	01/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/21/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/20/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/20/2025	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 23 2' (H250334-02)**

BTX 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	01/20/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/20/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/20/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/20/2025	ND	5.60	93.4	6.00	1.13		
Total BTX	<0.300	0.300	01/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 24 2' (H250334-03)**

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	01/20/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/20/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/20/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/20/2025	ND	5.60	93.4	6.00	1.13		
Total BTEX	<0.300	0.300	01/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 30 1' (H250334-04)**

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	01/20/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/20/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/20/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/20/2025	ND	5.60	93.4	6.00	1.13		
Total BTEX	<0.300	0.300	01/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 31 1' (H250334-05)**

BTX 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	01/20/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/20/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/20/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/20/2025	ND	5.60	93.4	6.00	1.13		
Total BTX	<0.300	0.300	01/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/21/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 32 1' (H250334-06)**

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	01/21/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.60	93.4	6.00	1.13		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 33 1' (H250334-07)**

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	01/21/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.60	93.4	6.00	1.13		
Total BTEx	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 34 1' (H250334-08)**

BTX 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	01/21/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.60	93.4	6.00	1.13		
Total BTX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 35 1' (H250334-09)**

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	01/21/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.60	93.4	6.00	1.13		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/21/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 36 1' (H250334-10)**

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	01/21/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.60	93.4	6.00	1.13		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 37 1' (H250334-11)**

BTX 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	01/21/2025	ND	1.89	94.4	2.00	1.75		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	98.9	2.00	1.56		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.90	94.8	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.60	93.4	6.00	1.13		
Total BTX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/20/2025  
Reported: 01/21/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 07 0-1' (H250334-12)**

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	01/21/2025	ND	1.92	96.0	2.00	0.580		
Toluene*	<0.050	0.050	01/21/2025	ND	2.01	101	2.00	0.547		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.94	96.8	2.00	0.322		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.68	94.6	6.00	0.323		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	200	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	189	94.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





---

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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---

January 22, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/21/25 16:00.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/21/2025  
Reported: 01/22/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 38 1' (H250361-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEx	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/22/2025	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	01/22/2025	ND	204	102	200	1.96	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	211	106	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/21/2025  
Reported: 01/22/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 39 1' (H250361-02)**

BTX 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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/22/2025	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	01/22/2025	ND	204	102	200	1.96	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	211	106	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/21/2025  
Reported: 01/22/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 40 1' (H250361-03)**

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	01/22/2025	ND	2.08	104	2.00	2.83		
Toluene*	<0.050	0.050	01/22/2025	ND	2.16	108	2.00	2.25		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	2.03		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.69	112	6.00	2.21		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2025	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	01/22/2025	ND	204	102	200	1.96	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	211	106	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/21/2025  
Reported: 01/22/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 41 1' (H250361-04)**

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	01/22/2025	ND	2.08	104	2.00	2.83		
Toluene*	<0.050	0.050	01/22/2025	ND	2.16	108	2.00	2.25		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	2.03		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.69	112	6.00	2.21		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2025	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	01/22/2025	ND	204	102	200	1.96	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	211	106	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/21/2025  
Reported: 01/22/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 42 1' (H250361-05)**

BTX 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	01/21/2025	ND	2.13	107	2.00	0.0838		
Toluene*	<0.050	0.050	01/21/2025	ND	2.11	106	2.00	2.60		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	2.16	108	2.00	3.61		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	6.53	109	6.00	3.68		
Total BTX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2025	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	01/22/2025	ND	219	110	200	3.35	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	221	110	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/21/2025  
Reported: 01/22/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 43 1' (H250361-06)**

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	01/21/2025	ND	2.13	107	2.00	0.0838		
Toluene*	<0.050	0.050	01/21/2025	ND	2.11	106	2.00	2.60		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	2.16	108	2.00	3.61		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	6.53	109	6.00	3.68		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2025	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	01/22/2025	ND	219	110	200	3.35	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	221	110	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

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

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]





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

January 23, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/22/25 14:54.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/22/2025  
Reported: 01/23/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/22/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BF 01 (H250391-01)**

BTX 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	01/22/2025	ND	1.95	97.4	2.00	8.42		
Toluene*	<0.050	0.050	01/22/2025	ND	2.00	100	2.00	10.0		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	7.19		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.71	112	6.00	6.32		
Total BTX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/23/2025	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	01/23/2025	ND	205	102	200	1.09	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	213	106	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/22/2025  
Reported: 01/23/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/22/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BF 02 (H250391-02)**

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	01/22/2025	ND	1.95	97.4	2.00	8.42	
Toluene*	<0.050	0.050	01/22/2025	ND	2.00	100	2.00	10.0	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	7.19	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.71	112	6.00	6.32	
Total BTEX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/23/2025	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	01/22/2025	ND	222	111	200	0.0360	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	198	98.8	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/22/2025  
Reported: 01/23/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/22/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 44 1' (H250391-03)**

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	01/22/2025	ND	1.95	97.4	2.00	8.42	
Toluene*	<0.050	0.050	01/22/2025	ND	2.00	100	2.00	10.0	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	7.19	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.71	112	6.00	6.32	
Total BTEX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

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	01/23/2025	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	01/22/2025	ND	222	111	200	0.0360	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	198	98.8	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/22/2025  
Reported: 01/23/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/22/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 45 1' (H250391-04)**

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	01/22/2025	ND	1.95	97.4	2.00	8.42		
Toluene*	<0.050	0.050	01/22/2025	ND	2.00	100	2.00	10.0		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	7.19		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.71	112	6.00	6.32		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/23/2025	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	01/23/2025	ND	222	111	200	0.0360	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	198	98.8	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/22/2025  
Reported: 01/23/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/22/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 46 1' (H250391-05)**

BTX 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	01/22/2025	ND	1.95	97.4	2.00	8.42		
Toluene*	<0.050	0.050	01/22/2025	ND	2.00	100	2.00	10.0		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	7.19		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.71	112	6.00	6.32		
Total BTX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/23/2025	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	01/23/2025	ND	222	111	200	0.0360	
DRO >C10-C28*	46.4	10.0	01/23/2025	ND	198	98.8	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/22/2025  
Reported: 01/23/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/22/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 47 1' (H250391-06)**

BTX 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	01/22/2025	ND	1.95	97.4	2.00	8.42		
Toluene*	<0.050	0.050	01/22/2025	ND	2.00	100	2.00	10.0		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	7.19		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.71	112	6.00	6.32		
Total BTX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/23/2025	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	01/23/2025	ND	222	111	200	0.0360	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	198	98.8	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/22/2025  
Reported: 01/23/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/22/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 48 1' (H250391-07)**

BTX 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	01/23/2025	ND	1.95	97.4	2.00	8.42	
Toluene*	<0.050	0.050	01/23/2025	ND	2.00	100	2.00	10.0	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.20	110	2.00	7.19	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.71	112	6.00	6.32	
Total BTX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/23/2025	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	01/23/2025	ND	222	111	200	0.0360	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	198	98.8	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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Cardinal Laboratories

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A handwritten signature in black ink, appearing to read "C. D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]





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

---

January 24, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/23/25 16:19.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 49 3 (H250430-01)**

BTX 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	01/23/2025	ND	2.07	104	2.00	3.76	
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76	
Total BTX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/24/2025	ND	416	104	400	7.41	

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	01/23/2025	ND	213	106	200	0.619	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 50 2 (H250430-02)**

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	01/23/2025	ND	2.07	104	2.00	3.76		
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	213	106	200	0.619	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 51 2 (H250430-03)**

BTX 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	01/23/2025	ND	2.07	104	2.00	3.76	
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76	
Total BTX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/24/2025	ND	416	104	400	7.41	

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	01/23/2025	ND	213	106	200	0.619	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 52 1 (H250430-04)**

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	01/23/2025	ND	2.07	104	2.00	3.76		
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76		
Total BTEx	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	213	106	200	0.619	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 53 1 (H250430-05)**

BTX 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	01/23/2025	ND	2.07	104	2.00	3.76		
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76		
Total BTX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	213	106	200	0.619	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	210	105	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 54 1 (H250430-06)**

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	01/23/2025	ND	2.07	104	2.00	3.76	
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	248	124	200	17.9	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	239	120	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 55 1 (H250430-07)**

BTX 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	01/23/2025	ND	2.07	104	2.00	3.76		
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76		
Total BTX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	248	124	200	17.9	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	239	120	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 56 1 (H250430-08)**

BTX 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	01/23/2025	ND	2.07	104	2.00	3.76		
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76		
Total BTX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	248	124	200	17.9	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	239	120	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 57 1 (H250430-09)**

BTX 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	01/23/2025	ND	2.07	104	2.00	3.76		
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76		
Total BTX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	248	124	200	17.9	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	239	120	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 08 0-2' (H250430-10)**

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	01/23/2025	ND	2.07	104	2.00	3.76		
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	248	124	200	17.9	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	239	120	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 09 (H250430-11)**

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	01/23/2025	ND	2.07	104	2.00	3.76	
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

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	01/24/2025	ND	416	104	400	7.41		

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	01/23/2025	ND	248	124	200	17.9	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	239	120	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/23/2025  
Reported: 01/24/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/23/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 10 (H250430-12)**

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	01/23/2025	ND	2.07	104	2.00	3.76	
Toluene*	<0.050	0.050	01/23/2025	ND	2.27	113	2.00	0.865	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.53	126	2.00	3.19	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	7.79	130	6.00	2.76	
Total BTEx	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/24/2025	ND	416	104	400	7.41		

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	01/24/2025	ND	248	124	200	17.9	
DRO >C10-C28*	<10.0	10.0	01/24/2025	ND	239	120	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager






### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 		Date: 1-23-05		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Time: 11:49		Time:		All Results are emailed. Please provide Email address: Thillard@ensulum.com		BBellill@ensulum.com TMorrissey@ensulum.com, kthomason@ensulum.com	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:				Cost Center: 1056301001 Incident ID: NAPP2419856452	
Delivered By: (Circle One)		Observed Temp. °C 3.6i	Sample Condition	CHECKED BY: (Initials) 	Turnaround Time: 4 hr 24 min	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	<input type="checkbox"/> Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.0i	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				
					Correction Factor: -0.5°C - 0.024 hr		Observed Temp. °C
							Corrected Temp. °C





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Ensolum LLC</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																					
Project Manager: <u>Tracy Hillard</u>		P.O. #:		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>																					
Address: <u>3122 Matleau Parks Hwy</u>		Company: <u>XTO Energy inc</u>																							
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn: <u>Colten Brown</u>																							
Phone #: <u>575-937-3906</u> Fax #:		Address: <u>3104 Greene St</u>																							
Project #: <u>03CLSS8436</u> Project Owner: <u>XTO</u>		City: <u>Carlsbad</u>																							
Project Name: <u>Ross Draw 25-31 Battery</u>		State: <u>NM</u> Zip: <u>88220</u>																							
Project Location: <u>32.01946 - 103.44872</u>		Phone #:																							
Sampler Name: <u>SCSSE Dormer</u>		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
<u>H250430</u>	<u>SW09</u>	<u>C</u>	<u>1</u>			<u>/</u>				<u>/</u>	<u>/</u>		<u>1/25/25</u>	<u>1320</u>	<u>/</u>	<u>/</u>	<u>/</u>								
<u>11</u>	<u>SW10</u>	<u>C</u>	<u>1</u>			<u>/</u>				<u>/</u>	<u>/</u>		<u>1325</u>	<u>1325</u>	<u>/</u>	<u>/</u>	<u>/</u>								
<u>12</u>																									
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Relinquished By:		Date: <u>1/23/25</u>		Received By:		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:																			
Time: <u>1019</u>				Time: <u>1019</u>		All Results are emailed. Please provide Email address: <u>THillard@ensolum.com</u> <u>ETThomas@ensolum.com</u>																			
Relinquished By:		Date:		Received By:		REMARKS: <u>CC-7D incident in APP 2419856452</u>																			
Time:				Time:		Cost center: <u>1056301001</u>																			
Delivered By: (Circle One)		Observed Temp. °C <u>30.6</u>		Sample Condition		CHECKED BY: (Initials) <u>AD</u>		Turnaround Time: <u>Standard</u> <input type="checkbox"/> <u>Rush</u> <input checked="" type="checkbox"/> <u>24hr</u>		Bacteria (only) Sample Condition															
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>30.2</u>		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				Thermometer ID #140		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Observed Temp. °C		Corrected Temp. °C											
								Correction Factor -0.6°C																	

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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January 30, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/29/25 15:36.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 58 1' (H250539-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2025	ND	2.07	104	2.00	1.71	
Toluene*	<0.050	0.050	01/29/2025	ND	2.14	107	2.00	0.378	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	106	2.00	0.187	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.214	
Total BTEX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/30/2025	ND	400	100	400	3.92	

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	01/30/2025	ND	208	104	200	1.41	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	210	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 59 1' (H250539-02)**

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	01/29/2025	ND	2.07	104	2.00	1.71	
Toluene*	<0.050	0.050	01/29/2025	ND	2.14	107	2.00	0.378	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	106	2.00	0.187	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.214	
Total BTEX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/30/2025	ND	400	100	400	3.92	

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	01/30/2025	ND	208	104	200	1.41	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	210	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 60 1' (H250539-03)**

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	01/29/2025	ND	2.07	104	2.00	1.71	
Toluene*	<0.050	0.050	01/29/2025	ND	2.14	107	2.00	0.378	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	106	2.00	0.187	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.214	
Total BTEX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/30/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2025	ND	208	104	200	1.41	
DRO >C10-C28*	64.3	10.0	01/30/2025	ND	210	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 66 1' (H250539-04)**

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	01/29/2025	ND	2.07	104	2.00	1.71	
Toluene*	<0.050	0.050	01/29/2025	ND	2.14	107	2.00	0.378	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	106	2.00	0.187	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.214	
Total BTEX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	400	100	400	3.92		

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	01/30/2025	ND	208	104	200	1.41	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	210	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 67 1' (H250539-05)**

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	01/29/2025	ND	2.07	104	2.00	1.71		
Toluene*	<0.050	0.050	01/29/2025	ND	2.14	107	2.00	0.378		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	106	2.00	0.187		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.214		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/30/2025	ND	400	100	400	3.92		

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	01/30/2025	ND	207	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	179	89.5	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 68 1' (H250539-06)**

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	01/29/2025	ND	2.07	104	2.00	1.71	
Toluene*	<0.050	0.050	01/29/2025	ND	2.14	107	2.00	0.378	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	106	2.00	0.187	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.214	
Total BTEX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/30/2025	ND	400	100	400	3.92	

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	01/30/2025	ND	207	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	179	89.5	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 69 1' (H250539-07)**

BTX 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	01/29/2025	ND	2.33	116	2.00	3.63	
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22	
Total BTX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	01/30/2025	ND	400	100	400	3.92	

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	01/30/2025	ND	207	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	179	89.5	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 70 1' (H250539-08)**

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	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/30/2025	ND	400	100	400	3.92	

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	01/30/2025	ND	207	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	179	89.5	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 71 1' (H250539-09)**

BTX 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	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	01/30/2025	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	01/30/2025	ND	207	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	179	89.5	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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**Analytical Results For:**

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

Received: 01/29/2025  
Reported: 01/30/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/29/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 11 0-1 (H250539-10)**

BTX 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	01/29/2025	ND	2.33	116	2.00	3.63	
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22	
Total BTX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

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	01/30/2025	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	01/30/2025	ND	207	104	200	1.47	
DRO >C10-C28*	<10.0	10.0	01/30/2025	ND	179	89.5	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/30/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Tracy Hillard				P.O. #:															
Address: 3122 National Parks Hwy				Company: XTO Energy Inc.															
City: Carlsbad State: NM Zip: 88220				Attn: Colton Brown															
Phone #: 575-937-3906 Fax #:				Address: 3104 E. Green St.															
Project #: 03C1558436 Project Owner: XTO				City: Carlsbad															
Project Name: Ross Draw 25-31 Battery				State: NM Zip: 88220															
Project Location: 32.01946, -103.94272				Phone #:															
Sampler Name: Jesse Dorman				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING		BTEX	TPH	CHLORIDE						
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME				
1	FS58	1'	C	2										1/27/05	930				
2	FS59														935				
3	FS60														940				
4	FS66														1215				
5	FS67														1220				
6	FS68														1225				
7	FS69														1230				
8	FS70														1250				
9	FS71														1255				
10	SW61	0-1													1300				

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Relinquished By:	Date: 1-29-25	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: 1530		All Results are emailed. Please provide Email address: Thillard@ensolum.com	
Relinquished By:	Date:	Received By:	BBeilili@ensolum.com	TMorrissey@ensolum.com, kthomason@ensolum.com
	Time:		REMARKS: Cost Center: 1056301001 Incident ID: NAPP2419856452	
Delivered By: (Circle One)	Observed Temp. °C: 0.9	Sample Condition	Turnaround Time: #140 - 2.6	Standard <input type="checkbox"/> Bacteria (only) <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 0.3	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Thermometer ID #113	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Checked By: (Initials)	Correction Factor: 0.5°C	Observed Temp. °C
				Corrected Temp. °C



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

February 03, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/31/25 16:24.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 91 1' (H250596-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2025	ND	2.05	102	2.00	3.70	
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28	
Total BTEX	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 92 1' (H250596-02)**

BTX 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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 93 1' (H250596-03)**

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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 94 1' (H250596-04)**

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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 63 2' (H250596-05)**

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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	26.3	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 64 2' (H250596-06)**

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	01/31/2025	ND	2.05	102	2.00	3.70	
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28	GC-NC
<b>Total Xylenes*</b>	<b>0.181</b>	0.150	01/31/2025	ND	6.48	108	6.00	3.28	GC-NC1
Total BTEX	<0.300	0.300	01/31/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/03/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	29.8	10.0	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	631	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	81.5	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 65 2' (H250596-07)**

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	01/31/2025	ND	2.05	102	2.00	3.70	
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28	
Total BTEX	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/03/2025	ND	448	112	400	3.64	

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 72 1' (H250596-08)**

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	01/31/2025	ND	2.05	102	2.00	3.70	
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28	
Total BTEX	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/03/2025	ND	448	112	400	3.64	

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	418	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	66.1	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 73 1' (H250596-09)**

BTX 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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

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	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 74 1' (H250596-10)**

BTX 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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 75 1' (H250596-11)**

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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 76 1' (H250596-12)**

BTX 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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

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	02/03/2025	ND	448	112	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 77 1' (H250596-13)**

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	01/31/2025	ND	2.05	102	2.00	3.70	
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28	
Total BTEx	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 78 1' (H250596-14)**

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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 79 1' (H250596-15)**

BTX 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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/03/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 80 1' (H250596-16)**

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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/03/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	248	10.0	02/01/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	35.8	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 81 1' (H250596-17)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2025	ND	2.05	102	2.00	3.70	
Toluene*	<0.050	0.050	02/03/2025	ND	2.11	106	2.00	3.39	
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.13	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.48	108	6.00	3.28	
Total BTEX	<0.300	0.300	02/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/03/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.4	10.0	02/01/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	1610	10.0	02/01/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	283	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 159 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 82 1' (H250596-18)**

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	01/31/2025	ND	2.05	102	2.00	3.70	
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28	
Total BTEX	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/03/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	369	10.0	02/01/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	69.1	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 83 1' (H250596-19)**

BTX 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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/03/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	387	10.0	02/01/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	43.8	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 84 1' (H250596-20)**

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	01/31/2025	ND	2.05	102	2.00	3.70		
Toluene*	<0.050	0.050	01/31/2025	ND	2.11	106	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.13	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.48	108	6.00	3.28		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/03/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2025	ND	191	95.4	200	3.39	
DRO >C10-C28*	18.1	10.0	02/01/2025	ND	190	95.0	200	0.578	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 85 1' (H250596-21)**

BTX 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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 86 1' (H250596-22)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	201	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	13.3	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 87 1' (H250596-23)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	133	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	12.3	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 88 1' (H250596-24)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 12 1' (H250596-25)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	23.6	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 13 1' (H250596-26)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/03/2025	ND	432	108	400	3.64	

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	600	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	81.2	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 14 1' (H250596-27)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 95 1' (H250596-28)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 96 1' (H250596-29)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 97 1' (H250596-30)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 98 1' (H250596-31)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 99 1' (H250596-32)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	02/03/2025	ND	432	108	400	3.64		

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 100 1' (H250596-33)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/03/2025	ND	432	108	400	0.00	QM-07	

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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 89 2' (H250596-34)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	02/03/2025	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	01/31/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 90 2' (H250596-35)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/03/2025	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	02/01/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 101 1' (H250596-36)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/03/2025	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	02/01/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 102 1' (H250596-37)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/03/2025	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	02/01/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 103 1' (H250596-38)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	02/03/2025	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	02/01/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 104 1' (H250596-39)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	02/03/2025	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	02/01/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 105 1' (H250596-40)**

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	01/31/2025	ND	1.94	96.9	2.00	3.05		
Toluene*	<0.050	0.050	01/31/2025	ND	2.03	101	2.00	4.46		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.98	99.2	2.00	2.45		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.99	99.9	6.00	3.01		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/03/2025	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	02/01/2025	ND	187	93.7	200	0.0917	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	181	90.7	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 106 1' (H250596-41)**

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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 107 1' (H250596-42)**

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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 108 1' (H250596-43)**

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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 109 1' (H250596-44)**

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	01/31/2025	ND	2.37	118	2.00	6.88	
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8	
Total BTEX	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 110 1' (H250596-45)**

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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 01 0.5' (H250596-46)**

BTX 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	01/31/2025	ND	2.37	118	2.00	6.88	
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8	
Total BTX	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 02 0.5' (H250596-47)**

BTX 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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9730	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 03 0.5' (H250596-48)**

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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTEx	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8480	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	1570	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	316	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 04 0.5' (H250596-49)**

BTX 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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 05 0.5' (H250596-50)**

BTX 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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	32.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 06 0.5' (H250596-51)**

BTX 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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3400	16.0	02/03/2025	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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	227	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	73.3	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 07 0.5' (H250596-52)**

BTX 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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	02/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	2020	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	452	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/31/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 08 0.5' (H250596-53)**

BTX 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	01/31/2025	ND	2.37	118	2.00	6.88	
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8	
Total BTX	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/03/2025	ND	416	104	400	7.41	

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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/30/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 61 2' (H250596-54)**

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	01/31/2025	ND	2.37	118	2.00	6.88		
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/03/2025	ND	416	104	400	7.41	

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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

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

Received: 01/31/2025  
Reported: 02/03/2025  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 01/30/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 62 2' (H250596-55)**

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	01/31/2025	ND	2.37	118	2.00	6.88	
Toluene*	<0.050	0.050	01/31/2025	ND	2.51	125	2.00	11.1	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.54	127	2.00	12.7	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.52	125	6.00	12.8	
Total BTEX	<0.300	0.300	01/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/03/2025	ND	416	104	400	7.41	

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	01/31/2025	ND	182	91.0	200	1.34	
DRO >C10-C28*	135	10.0	01/31/2025	ND	183	91.4	200	1.83	
EXT DRO >C28-C36	16.2	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> Ensolum, LLC				<b>BILL TO</b>						<b>ANALYSIS REQUEST</b>																		
<b>Project Manager:</b> Tracy Hillard				<b>P.O. #:</b>																								
<b>Address:</b> 3122 National Parks Hwy				<b>Company:</b> XTO Energy Inc.																								
<b>City:</b> Carlsbad		<b>State:</b> NM		<b>Zip:</b> 88220		<b>Attn:</b> Colton Brown																						
<b>Phone #:</b> 575-937-3906		<b>Fax #:</b>		<b>Address:</b> 3104 E. Green St.																								
<b>Project #:</b> 03C1558436		<b>Project Owner:</b> XTO		<b>City:</b> Carlsbad																								
<b>Project Name:</b> Ross Draw 25-31 Battery				<b>State:</b> NM <b>Zip:</b> 88220																								
<b>Project Location:</b> 32.01946, -103.94272				<b>Phone #:</b>																								
<b>Sampler Name:</b> Jesse Dorman				<b>Fax #:</b>																								
FOR LAB USE ONLY				MATRIX						PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	CHLORIDE												
H2505914	FS91	1'	C			X				X		1.31.25	0812	X	X	X												
2	FS92	1'											0816															
3	FS93	1'											0819															
4	FS94	1'											0824															
5	FS63	2'											0757															
6	FS64	2'											0800															
7	FS65	2'											0802															
8	FS72	1'											0805															
9	FS73	1'											0808															
10	FS74	1'											0810															

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<b>Relinquished By:</b> 		<b>Date:</b> 1-31-25 <b>Time:</b> 1624		<b>Received By:</b> 		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Add'l Phone #:</b>	
<b>Relinquished By:</b>		<b>Date:</b>		<b>Received By:</b>		<b>All Results are emailed. Please provide Email address:</b> Thillard@ensolum.com BBellill@ensolum.com TMorrissey@ensolum.com, kthomason@ensolum.com	
		<b>Time:</b>				<b>REMARKS:</b> Cost Center: 1056301001 Incident ID: NAPP2419856452	

<b>Delivered By: (Circle One)</b>		<b>Observed Temp. °C</b> 5.8		<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		<b>CHECKED BY:</b> (Initials) 		<b>Turnaround Time:</b> 24 hr		<b>Standard</b> <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C	
<b>Sampler - UPS - Bus - Other:</b>		<b>Corrected Temp. °C</b> 5.2		<input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Thermometer ID #113 #140</b>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<b>Correction Factor</b> 0.5°C -0.6°C		<input type="checkbox"/> Yes <input type="checkbox"/> No	
										<b>Corrected Temp. °C</b>	





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Tracy Hillard				P.O. #:															
Address: 3122 National Parks Hwy				Company: XTO Energy Inc.															
City: Carlsbad State: NM Zip: 88220				Attn: Colton Brown															
Phone #: 575-937-3906 Fax #:				Address: 3104 E. Green St.															
Project #: 03C1558436 Project Owner: XTO				City: Carlsbad															
Project Name: Ross Draw 25-31 Battery				State: NM Zip: 88220															
Project Location: 32.01946, -103.94272				Phone #:															
Sampler Name: Jesse Dorman				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING		BTEX	TPH	CHLORIDE						
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME				
4250596																			
21	F585	1'					X					X		1.31.25	0852	X	X		
22	F586														0855				
23	F587														1033				
24	F588														1053				
25	SW12														1135				
26	SW13														1138				
27	SW14														1140				
28	F595														0827				
29	F596														0836				
30	F597														0839				

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Relinquished By:	Date: 1-31-25	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
	Time: 1024		All Results are emailed. Please provide Email address: Thillard@ensolum.com
Relinquished By:	Date:	Received By:	BBellill@ensolum.com TMorrissey@ensolum.com, kthomason@ensolum.com
	Time:		REMARKS: Cost Center: 1056301001 Incident ID: NAPP2419856452
Delivered By: (Circle One)	Observed Temp. °C: 5.8	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	Turnaround Time: #140-0-0 Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 5.2	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: #113 Correction Factor: -0.5°C
		Checked By: (Initials) SK	Bacteria (only) Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>
			Observed Temp. °C: Yes <input type="checkbox"/> No <input type="checkbox"/>
			Corrected Temp. °C: Yes <input type="checkbox"/> No <input type="checkbox"/>

FORM-006 R 3.2 10/07/21

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>(575) 393-2326 FAX (575) 393-2476</b>				<b>BILL TO</b>												<b>ANALYSIS REQUEST</b>															
<b>Company Name:</b> Ensolum, LLC				<b>P.O. #:</b>																											
<b>Project Manager:</b> Tracy Hillard				<b>Company:</b> XTO Energy Inc.																											
<b>Address:</b> 3122 National Parks Hwy				<b>Attn:</b> Colton Brown																											
<b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220				<b>Address:</b> 3104 E. Green St.																											
<b>Phone #:</b> 575-937-3906 <b>Fax #:</b>				<b>City:</b> Carlsbad																											
<b>Project #:</b> 03C1558436 <b>Project Owner:</b> XTO				<b>State:</b> NM <b>Zip:</b> 88220																											
<b>Project Name:</b> Ross Draw 25-31 Battery				<b>Phone #:</b>																											
<b>Project Location:</b> 32.01946, -103.94272				<b>Fax #:</b>																											
<b>Sampler Name:</b> Jesse Dorman																															

FOR LAB USE ONLY		Sample Depth (feet)	(G/RAB OR C/JOMP. # CONTAINERS	MATRIX						PRESERV.		SAMPLING		BTEX	TPH	CHLORIDE																	
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	DATE	TIME																				
H2505910	FS 98	1'	C			X				X	1-31-25	0843	X	X	X																		
32	FS 99	1'										0846																					
33	FS 100	1'										0851																					
34	FS 89	2'										1253																					
35	FS 90	2'										1255																					
36	FS 101	1'										0856																					
37	FS 102	1'										1028																					
38	FS 103	1'										1035																					
39	FS 104	1'										1036																					
40	FC 105	1'										1038																					

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<b>Relinquished By:</b> 		Date: 1-31-25 Time: 1031	<b>Received By:</b> 		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    Add'l Phone #: _____ All Results are emailed. Please provide Email address: Thillard@ensolum.com BBellill@ensolum.com    TMorrissey@ensolum.com, kthomason@ensolum.com	
<b>Relinquished By:</b>		Date: _____ Time: _____	<b>Received By:</b>		<b>REMARKS:</b> Cost Center: 1056301001 Incident ID: NAPP2419856452	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 58.2 Corrected Temp. °C: 50.2	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) 	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 24hr Thermometer ID #113 Correction Factor .05°C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C
--	---	--	-------------------------------	---	--



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

February 24, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROSS DRAW 25-31

Enclosed are the results of analyses for samples received by the laboratory on 02/21/25 14:41.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 02/21/2025  
 Reported: 02/24/2025  
 Project Name: ROSS DRAW 25-31  
 Project Number: 03C1558436  
 Project Location: XTO - EDDY CO NM

Sampling Date: 02/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS - 81 A 2' (H251055-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2025	ND	2.23	111	2.00	2.63	
Toluene*	<0.050	0.050	02/22/2025	ND	2.38	119	2.00	3.43	
Ethylbenzene*	<0.050	0.050	02/22/2025	ND	2.41	120	2.00	2.70	
Total Xylenes*	<0.150	0.150	02/22/2025	ND	7.15	119	6.00	2.67	
Total BTEX	<0.300	0.300	02/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7860	16.0	02/23/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	200	100	200	3.16	
DRO >C10-C28*	54.2	10.0	02/22/2025	ND	199	99.4	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 02/21/2025  
 Reported: 02/24/2025  
 Project Name: ROSS DRAW 25-31  
 Project Number: 03C1558436  
 Project Location: XTO - EDDY CO NM

Sampling Date: 02/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 13 A 0-4' (H251055-02)**

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	02/22/2025	ND	2.23	111	2.00	2.63	
Toluene*	<0.050	0.050	02/22/2025	ND	2.38	119	2.00	3.43	
Ethylbenzene*	<0.050	0.050	02/22/2025	ND	2.41	120	2.00	2.70	
Total Xylenes*	<0.150	0.150	02/22/2025	ND	7.15	119	6.00	2.67	
Total BTEX	<0.300	0.300	02/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8200	16.0	02/23/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	200	100	200	3.16	
DRO >C10-C28*	97.7	10.0	02/22/2025	ND	199	99.4	200	5.41	
EXT DRO >C28-C36	29.2	10.0	02/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 02/21/2025  
 Reported: 02/24/2025  
 Project Name: ROSS DRAW 25-31  
 Project Number: 03C1558436  
 Project Location: XTO - EDDY CO NM

Sampling Date: 02/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 A .5' (H251055-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/22/2025	ND	2.23	111	2.00	2.63		
Toluene*	<0.050	0.050	02/22/2025	ND	2.38	119	2.00	3.43		
Ethylbenzene*	<0.050	0.050	02/22/2025	ND	2.41	120	2.00	2.70		
Total Xylenes*	<0.150	0.150	02/22/2025	ND	7.15	119	6.00	2.67		
Total BTEx	<0.300	0.300	02/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11800	16.0	02/23/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	200	100	200	3.16	
DRO >C10-C28*	46.5	10.0	02/22/2025	ND	199	99.4	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/21/2025  
 Reported: 02/24/2025  
 Project Name: ROSS DRAW 25-31  
 Project Number: 03C1558436  
 Project Location: XTO - EDDY CO NM

Sampling Date: 02/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 07 A .5' (H251055-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/22/2025	ND	2.23	111	2.00	2.63		
Toluene*	<0.050	0.050	02/22/2025	ND	2.38	119	2.00	3.43		
Ethylbenzene*	<0.050	0.050	02/22/2025	ND	2.41	120	2.00	2.70		
Total Xylenes*	<0.150	0.150	02/22/2025	ND	7.15	119	6.00	2.67		
Total BTEx	<0.300	0.300	02/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9200	16.0	02/23/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	200	100	200	3.16	
DRO >C10-C28*	76.3	10.0	02/22/2025	ND	199	99.4	200	5.41	
EXT DRO >C28-C36	16.1	10.0	02/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



---

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager







## APPENDIX D

### August 29, 2024 *Remediation Work Plan*

---



August 29, 2024

**New Mexico Oil Conservation Division**

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

**Re: Remediation Work Plan  
Ross Draw 25 #31 Battery  
Incident Number NAPP2419856452  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan (Work Plan)* to document the site assessment activities completed to date and propose a work plan to address waste-containing soil identified at the Ross Draw 25 #31 Battery (Site). The purpose of the site assessment activities was to determine the presence or absence of impacted soil resulting from a crude oil and produced water release at the Site. The following *Work Plan* proposes to remove waste-containing soil identified within the release extent.

## **SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit D, Section 25, Township 26 South, Range 29 East, in Eddy County, New Mexico (32.01946°, -103.94272°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On June 12, 2024, corrosion of a dump line resulted in the release of 7 barrels (bbls) of crude oil and 83 bbls of produced water onto the pad surface and into the adjacent pasture area. A vacuum truck was immediately dispatched and recovered 4 bbls of crude oil and 56 bbls of produced water. XTO submitted a Notification of Release (NOR) and an Initial C-141 Application (C-141) on July 16, 2024. The release was assigned Incident Number NAPP2419856452.

## **SITE CHARACTERIZATION AND CLOSURE CRITERIA**

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a soil boring drilled for determination of regional groundwater depth. In August 2021, a soil boring permitted by New Mexico Office of the State Engineer (C-4561) was completed approximately 0.1 miles northeast of the Site utilizing hollow stem auger method. Soil boring C-4575 was drilled to a depth of 105 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

XTO Energy, Inc.  
Remediation Work Plan  
Ross Draw 25 #31 Battery

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 105 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 791 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area).

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

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

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

## SITE ASSESSMENT AND DELINEATION ACTIVITIES

On June 14, 2024 Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided from XTO and visual observations. Sixteen assessment samples (SS01 through SS16) were collected from a depth of 0.5 feet bgs. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and assessment soil samples were mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

On August 8, 2024, Ensolum personnel returned to the site to oversee delineation activities. Delineation boreholes BH01 through BH05 and BH07 through BH09 were advanced via hand auger in the respective assessment soil sample locations to assess the vertical extent of the release to a maximum depth of 2 feet bgs. Discrete delineation soil samples were collected from each borehole at depths ranging from 0.5 feet to 2 feet bgs. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. Delineation and assessment soil sample locations are depicted on Figure 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental



XTO Energy, Inc.  
Remediation Work Plan  
Ross Draw 25 #31 Battery

Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standards Method SM4500.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all assessment soil samples around the release (SS10 through SS16) indicated all COCs were compliant with the Closure Criteria at a depth of 0.5 feet bgs, successfully defining the lateral extent of the release. Assessment soil sample SS01, collected within the release extent in the pasture area, exceeded reclamation requirement for TPH and chloride concentration. Assessment soil sample SS02, collected within the release extent in the pasture area, exceeded reclamation requirement for chloride concentration. Assessment soil samples within the release extent on pad, SS05 through SS07, exceeded Closure Criteria for TPH-GRO/TPH-DRO and TPH concentrations. All other assessment soil samples within the release extent on pad, SS03, SS04, SS08, and SS09, met Closure Criteria. All terminal soil samples of the delineation boreholes were in compliance with the Closure Criteria, successfully defining the vertical extent of the release. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

## PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing elevated TPH and chloride concentrations exist across an approximate 23,286 square foot area on-pad and 1,200 square foot area in the adjacent pasture and extends to depths ranging from 0.5 feet to 2 feet bgs. XTO proposes to complete the following remediation activities:

- A BLM sundry will be completed for land access to excavate the pasture area. Upon approval of the BLM sundry or approval of this *Work Plan* by the NMOCD, whichever is later, excavation activities will be completed within 90 days.
- Excavation of waste-containing soil to depths ranging from 0.5 feet to 2 feet bgs. Excavation will proceed laterally until sidewall samples confirm all COC concentrations are compliant with the Closure Criteria.
- XTO proposes five-point composite samples to be collected at a sampling frequency of 200 square feet along the excavation floor and along the excavation sidewalls. The soil samples will be handled as described above and analyzed for all COCs.
- An estimated 1,360 cubic yards of waste-containing soil will be excavated and disposed of at the R360 disposal facility in Hobbs, New Mexico
- The excavation will be backfilled with locally procured material and recontoured to match pre-existing conditions.

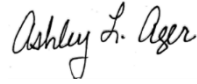
If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or [tmorrissey@ensolum.com](mailto:tmorrissey@ensolum.com).

XTO Energy, Inc.  
Remediation Work Plan  
Ross Draw 25 #31 Battery

Sincerely,  
**Ensolum, LLC**



Tracy Hillard  
Staff Engineer



Ashley Ager, PG, MS  
Program Director

cc: Amy Ruth, XTO  
Amanda Garcia, XTO  
BLM

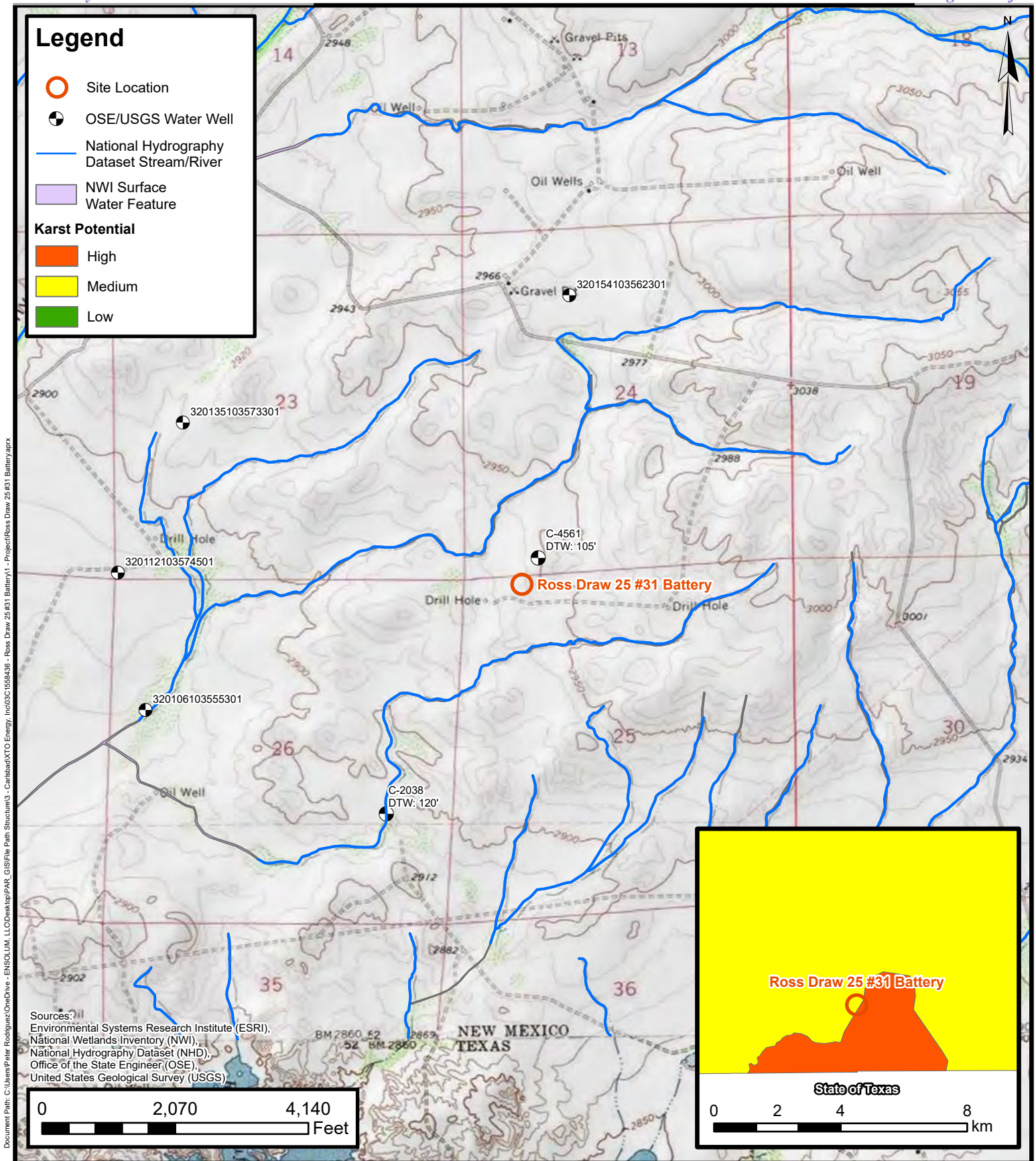
Appendices:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Proposed Excavation Extent
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES





## Site Receptor Map

XTO Energy, Inc

Ross Draw 25 #31 Battery

Incident Number: nAPP2419856452

Unit D, Sec 25, T26S, R29E

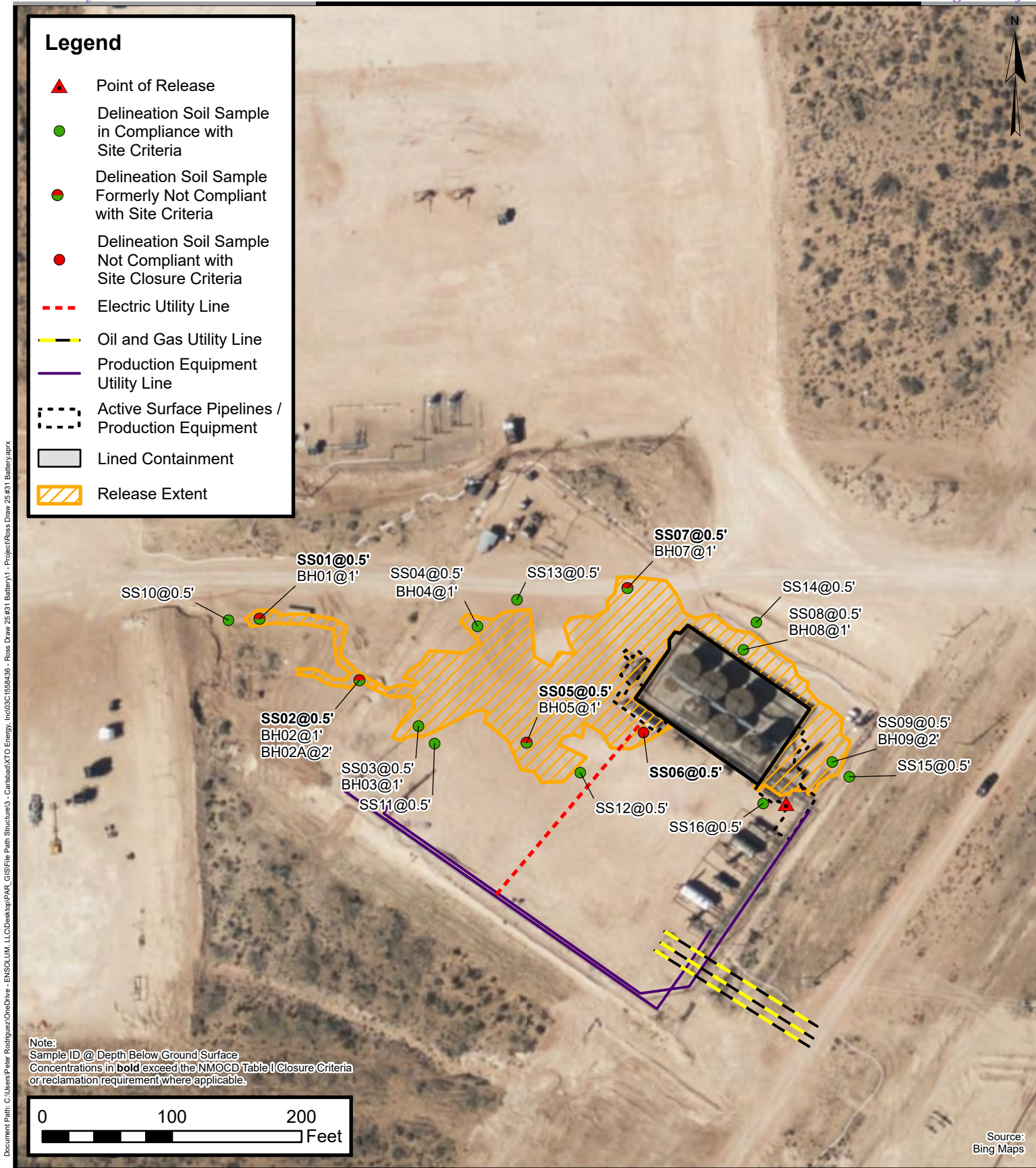
Eddy County, New Mexico

FIGURE

1





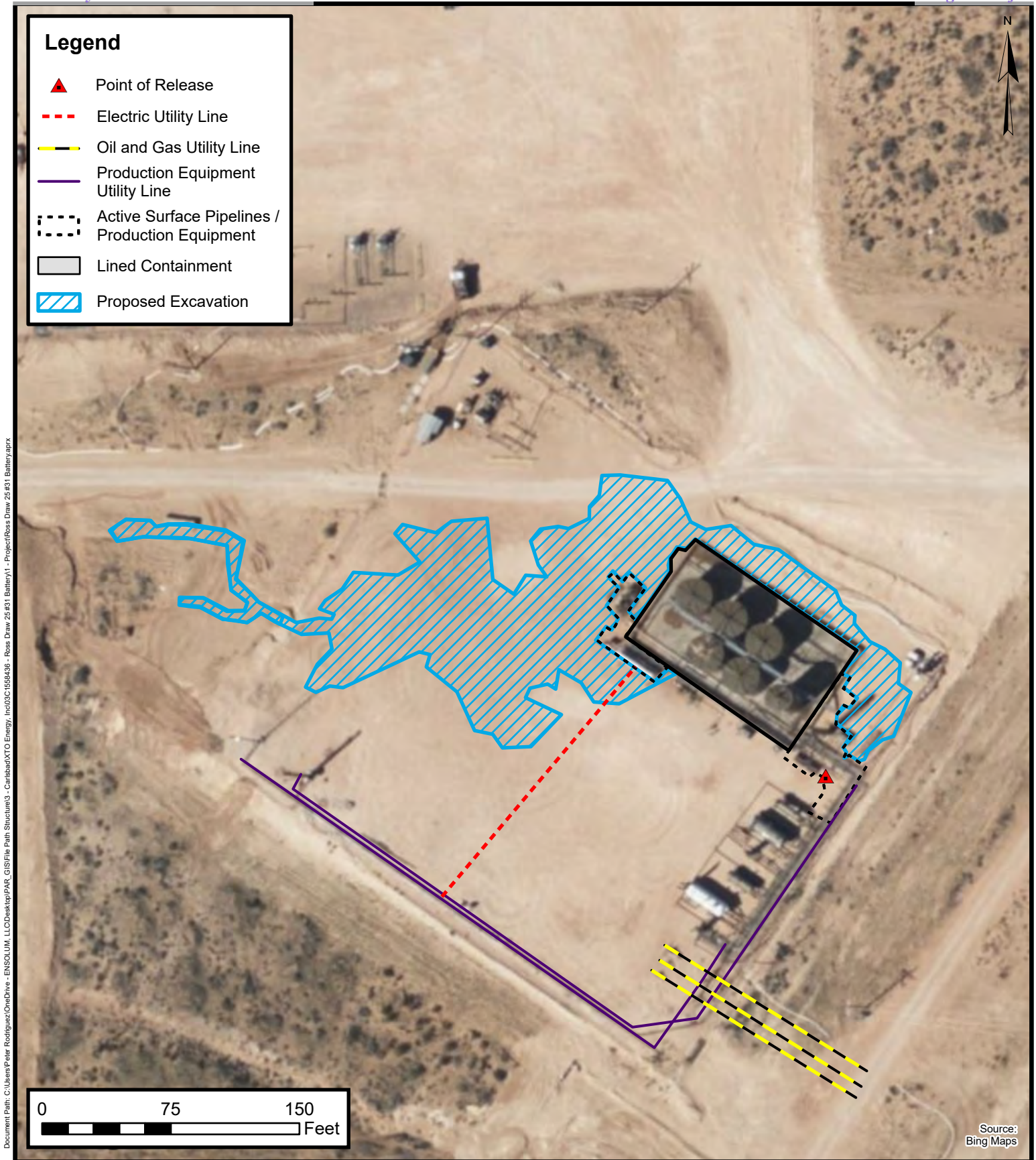


## Delineation Soil Sample Locations

XTO Energy, Inc  
Ross Draw 25 #31 Battery  
Incident Number: nAPP2419856452  
Unit D, Sec 25, T26S, R29E  
Eddy County, New Mexico

**FIGURE**  
**2**





## Proposed Excavation Extent

XTO Energy, Inc  
Ross Draw 25 #31 Battery  
Incident Number: nAPP2419856452  
Unit D, Sec 25, T26S, R29E  
Eddy County, New Mexico

**FIGURE**  
**3**





TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Ross Draw 25 #31 Battery  
 XTO Energy, Inc  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Assessment Soil Samples										
SS01	06/14/2024	0.5	<0.050	<0.300	<10.0	515	126	515	<b>641</b>	<b>5,200</b>
BH01	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS02	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>4,320</b>
BH02	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
BH02A	08/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS03	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,400
BH03	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS04	06/14/2024	0.5	<0.050	<0.300	10.1	81.7	<10.0	91.8	91.8	12,400
BH04	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS05	06/14/2024	0.5	0.122	0.876	19.5	2,120	441	<b>2,140</b>	<b>2,581</b>	14,000
BH05	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS06	06/14/2024	0.5	<0.050	<0.300	65.8	5,580	1,010	<b>5,646</b>	<b>6,656</b>	11,400
SS07	06/14/2024	0.5	<0.050	0.871	164	9,410	1,830	<b>9,574</b>	<b>11,404</b>	11,000
BH07	08/08/2024	1	<0.050	<0.300	<10.0	11.1	<10.0	11.1	11.1	128
SS08	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,800
BH08	08/08/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SS09	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,200
BH09	08/08/2024	2	<0.050	<0.300	<10.0	10.2	<10.0	10.2	10.2	928



TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
Ross Draw 25 #31 Battery  
XTO Energy, Inc  
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SS10	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS11	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS12	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS13	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS14	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS15	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS16	06/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

Notes:

bgs: below ground surface  
mg/kg: milligrams per kilogram  
NMOCD: New Mexico Oil Conservation Division  
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
ORO: Oil Range Organics  
TPH: Total Petroleum Hydrocarbon  
NMAC: New Mexico Administrative Code  
Grey text indicates soil sample removed during excavation activities





## APPENDIX A

### Referenced Well Records

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

OSE DIT AUG 17 2021 PM 3:11

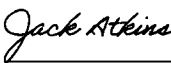
1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4561		
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 1	SECONDS 14.17	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE 103	56	30.83	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW Sec. 31T23S R33E							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.	
	DRILLING STARTED 07/28/2021		DRILLING ENDED 07/28/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) n/a
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 105		±6.5	Boring- HSA	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4561	POD NO.	POD1	TRN NO.	701043
LOCATION	24S-29E-24 433			WELL TAG ID NO.	PAGE 1 OF 2

DSE DTI AUG 17 2021 PM3:11

<b>4. HYDROGEOLOGIC LOG OF WELL</b>	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	Caliche, poor- moderate consolidation, Off white-tan	Y    ✓ N	
	5	10	5	Sand, fine grained, poorly graded, with caliche gravel, Reddish Brown	Y    ✓ N	
	10	25	15	Clayey Sand, fine grained, poorly graded, Reddish Brown	Y    ✓ N	
	25	30	5	Silty Sand, fine grained, poorly graded, Reddish Brown , Dry	Y    ✓ N	
	30	45	15	Gravelly Silty, some gypsum, graded, Reddish Brown , Dry	Y    ✓ N	
	45	60	15	Siltstone, poorly cemented, Reddish Brown, Dry	Y    ✓ N	
	60	105	45	Claystone, Low plasticity,cohesive, some gypsum, Reddish Brown-Dark , moist	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm):                0.00	
	<b>5. TEST; RIG SUPERVISION</b>	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt						
<b>6. SIGNATURE</b>	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME			Jackie D. Atkins _____ DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO.	C-456	POD NO.	POD 1
LOCATION	24S-29E-14433	TRN NO.	701043
		WELL TAG ID NO.	PAGE 2 OF 2





## APPENDIX B

### Photographic Log

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**Photographic Log**  
 XTO Energy, Inc  
 Ross Draw 25 #31 Battery  
 nAPP2419856452



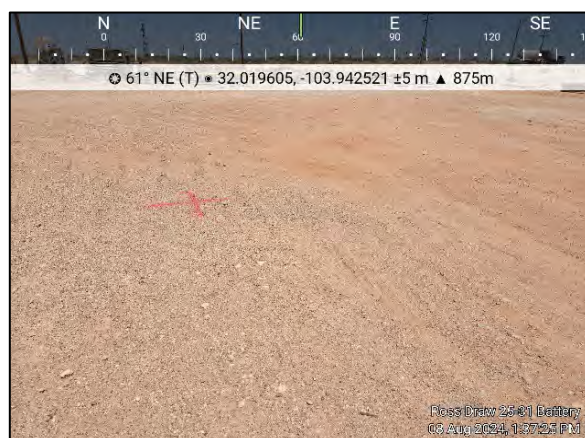
Photograph: 1                      Date: 6/14/2024  
 Description: Soil staining in release footprint  
 View: Southeast



Photograph: 2                      Date: 6/14/2024  
 Description: Soil staining in release footprint  
 View: South



Photograph: 3                      Date: 8/8/2024  
 Description: Delineation Activities  
 View: East




Photograph: 4                      Date: 8/8/2024  
 Description: Delineation Activities  
 View: Northeast




## APPENDIX C


### Lithologic Soil Sampling Logs


---


					Sample Name: BH01		Date: 8/8/2024	
					Site Name: Ross Draw 25 #31 Battery			
					Incident Number: NAPP2419856452			
					Job Number: 03C1558436			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: JD		Method: Hand Auger	
Coordinates: 32.019653, -103.943018					Hole Diameter: 4"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor was included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	5,258		N	SS01	0.5	0	SP	(0-1') SAND, reddish brown, very fine, poorly graded, no odor
D	<162	0.0	N	BH01	1	1		
Total Depth @ 1-foot bgs								




								Sample Name: BH02		Date: 8/8/2024	
								Site Name: Ross Draw 25 #31 Battery			
								Incident Number: NAPP2419856452			
								Job Number: 03C1558436			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: JD		Method: Hand Auger	
Coordinates: 32.019529, -103.942790								Hole Diameter: 4"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor was included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	SP	(0-2') SAND, reddish brown, very fine, trace silt, poorly graded, trace caliche			
D	5,258		N	SS02	0.5						
D	800.8	0.0	N	BH02	1	1					
D	<162	0.0	N	BH02A	2	2					
						Total Depth @ 2 feet bgs					


 <b>ENSOLUM</b>		Sample Name: BH03		Date: 8/8/2024				
		Site Name: Ross Draw 25 #31 Battery						
		Incident Number: NAPP2419856452						
		Job Number: 03C1558436						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.019421, -103.942630			Logged By: JD		Method: Hand Auger			
			Hole Diameter: 4"		Total Depth: 2'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor was included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	CCHE	(0-2') CALICHE, tan, fine grained
D	17,320	0.0	N	SS03	0.5			
D	<162	0.0	N	BH03	1	1		(@1') some reddish brown silt
D	<162	0.0	N		2	2		
						Total Depth @ 2 feet bgs		


								Sample Name: BH04		Date: 8/8/2024	
								Site Name: Ross Draw 25 #31 Battery			
								Incident Number: NAPP2419856452			
								Job Number: 03C1558436			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: JD		Method: Hand Auger	
Coordinates: 32.019630, -103.942472								Hole Diameter: 4"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor was included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	CCHE	(0-1') CALICHE, tan, fine grained			
D	14,677	0.0	N	SS04	0.5						
D	230	0.0	N	BH04	1	1		(1-2') SAND, brown, very fine grained, no odor poorly graded			
D	<162	0.0	N		2	2					
						Total Depth @ 2 feet bgs					

								Sample Name: BH05		Date: 8/8/2024	
								Site Name: Ross Draw 25 #31 Battery			
								Incident Number: NAPP2419856452			
								Job Number: 03C1558436			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: JD		Method: Hand Auger	
Coordinates: 32.019381, -103.942353								Hole Diameter: 4"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor was included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	CCHE	(0-1') CALICHE, tan, fine grained			
D	15,926	0.0	N	SS05	0.5						
D	<162	0.0	N	BH05	1	1	SP	(@1') SAND, brown, very fine grained, no odor poorly graded			
						Total Depth @ 1-foot bgs					



 <b>ENSOLUM</b>		Sample Name: BH07		Date: 8/8/2024				
		Site Name: Ross Draw 25 #31 Battery						
		Incident Number: NAPP2419856452						
		Job Number: 03C1558436						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.019697, -103.942102				Logged By: JD				
				Method: Hand Auger				
				Hole Diameter: 4"				
				Total Depth: 1'				
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor was included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	CCHE	(0-1') CALICHE, tan, fine grained
D	17,320	0.0	N	SS07	0.5			
D	162	0.0	N	BH07	1	1		(@1') some reddish brown silt
						Total Depth @ 1-foot bgs		

								Sample Name: BH08		Date: 8/8/2024	
								Site Name: Ross Draw 25 #31 Battery			
								Incident Number: NAPP2419856452			
								Job Number: 03C1558436			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: JD		Method: Hand Auger	
Coordinates: 32.019572, -103.941801								Hole Diameter: 4"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor was included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	CCHE	(0-1') CALICHE, tan, fine grained			
D	15,926	0.0	N	SS08	0.5						
D	302	0.0	N	BH08	1	1	SP	(@1') SAND, brown, very fine grained, no odor poorly graded			
Total Depth @ 1-foot bgs											

								Sample Name: BH09		Date: 8/8/2024	
								Site Name: Ross Draw 25 #31 Battery			
								Incident Number: NAPP2419856452			
								Job Number: 03C1558436			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: JD		Method: Hand Auger	
Coordinates: 32.019373, -103.941643								Hole Diameter: 4"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor was included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	CCHE	(0-1') CALICHE, tan, fine grained			
D	14,677		N	SS09	0.5						
D	1,758	0.0	N		1	1	SP	(1-2') SAND, brown, very fine grained, no odor poorly graded			
D	1,221	0.0	N	BH09	2	2		(@2') Trace clay			
Total Depth @ 2 feet bgs - hand auger refusal											



## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

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

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June 24, 2024

DAVID MCINNIS

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/18/24 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/18/2024	Sampling Date:	06/14/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROSS DRAW 25-31 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558436	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: SS 01 0.5' (H243574-01)**

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2024	ND	1.99	99.5	2.00	4.24	
Toluene*	<0.050	0.050	06/21/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.13	106	2.00	3.88	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.36	106	6.00	3.83	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	06/20/2024	ND	448	112	400	7.41	

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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	515	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	126	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 02 0.5' (H243574-02)**

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	06/21/2024	ND	1.99	99.5	2.00	4.24		
Toluene*	<0.050	0.050	06/21/2024	ND	2.08	104	2.00	4.23		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.13	106	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.36	106	6.00	3.83		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	06/20/2024	ND	448	112	400	7.41		

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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 03 0.5' (H243574-03)**

BTX 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	06/21/2024	ND	1.99	99.5	2.00	4.24		
Toluene*	<0.050	0.050	06/21/2024	ND	2.08	104	2.00	4.23		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.13	106	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.36	106	6.00	3.83		
Total BTX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	06/20/2024	ND	448	112	400	7.41		

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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	06/18/2024	Sampling Date:	06/14/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROSS DRAW 25-31 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558436	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: SS 04 0.5' (H243574-04)**

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	06/21/2024	ND	1.99	99.5	2.00	4.24		
Toluene*	0.051	0.050	06/21/2024	ND	2.08	104	2.00	4.23		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.13	106	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.36	106	6.00	3.83		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	06/20/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.1	10.0	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	81.7	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 05 0.5' (H243574-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.122	0.050	06/21/2024	ND	1.99	99.5	2.00	4.24		
Toluene*	0.289	0.050	06/21/2024	ND	2.08	104	2.00	4.23		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.13	106	2.00	3.88		
Total Xylenes*	0.465	0.150	06/21/2024	ND	6.36	106	6.00	3.83		
Total BTEX	0.876	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14000	16.0	06/20/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.5	10.0	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	2120	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	441	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 06 0.5' (H243574-06)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2024	ND	1.99	99.5	2.00	4.24	
Toluene*	<0.050	0.050	06/22/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	06/22/2024	ND	2.13	106	2.00	3.88	
<b>Total Xylenes*</b>	<b>0.270</b>	0.150	06/22/2024	ND	6.36	106	6.00	3.83	
Total BTEX	<0.300	0.300	06/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 154 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>11400</b>	16.0	06/20/2024	ND	448	112	400	7.41	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>65.8</b>	10.0	06/20/2024	ND	179	89.5	200	5.14	
<b>DRO &gt;C10-C28*</b>	<b>5580</b>	10.0	06/20/2024	ND	173	86.6	200	10.1	
<b>EXT DRO &gt;C28-C36</b>	<b>1010</b>	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/18/2024	Sampling Date:	06/14/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROSS DRAW 25-31 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558436	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: SS 07 0.5' (H243574-07)**

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	06/21/2024	ND	1.99	99.5	2.00	4.24		
Toluene*	0.092	0.050	06/21/2024	ND	2.08	104	2.00	4.23		
Ethylbenzene*	0.057	0.050	06/21/2024	ND	2.13	106	2.00	3.88		
Total Xylenes*	0.721	0.150	06/21/2024	ND	6.36	106	6.00	3.83		
Total BTEX	0.871	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	06/20/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	164	10.0	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	9410	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	1830	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 195 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 08 0.5' (H243574-08)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	06/20/2024	ND	448	112	400	7.41		

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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 09 0.5' (H243574-09)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12200	16.0	06/20/2024	ND	448	112	400	7.41		

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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 10 0.5' (H243574-10)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500CI-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	06/20/2024	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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 11 0.5' (H243574-11)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEx	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/20/2024	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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 12 0.5' (H243574-12)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/20/2024	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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 13 0.5' (H243574-13)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/20/2024	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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 14 0.5' (H243574-14)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/20/2024	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	06/20/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 72.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 15 0.5' (H243574-15)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

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	06/20/2024	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	06/21/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/21/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/21/2024	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 06/18/2024  
Reported: 06/24/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO

Sampling Date: 06/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SS 16 0.5' (H243574-16)**

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	06/21/2024	ND	1.96	98.1	2.00	3.97		
Toluene*	<0.050	0.050	06/21/2024	ND	1.93	96.5	2.00	2.31		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.97	98.6	2.00	0.0735		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.83	97.2	6.00	0.0658		
Total BTEx	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

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	06/20/2024	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	06/21/2024	ND	179	89.5	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/21/2024	ND	173	86.6	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	06/21/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: Ensolum, LLC

Project Manager: David Mcinnis dmclnnis@ensolum.com

Address: 3122 National Parks Hwy

City: Carlsbad State: NM Zip: 88220

Phone #: 337 257-8307 Fax #:

Project #: 03C1558436 Project Owner: XTO

Project Name: Ross Draw 25-31 Battery

Project Location:

Sampler Name: Connor Whitman

BILL TO

P.O. #:

Company: XTO Energy Inc.

Attn: Amy Ruth

Address: 3104 E. Green St.

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Sample Depth (feet)

(GRAB OR (COMP. # CONTAINERS

MATRIX

PRESERV.

SAMPLING

1243574	SS01	0.5	G 1	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH	CHLORIDE
1	SS01	0.5	G 1										6-14-24	1235			
2	SS02												6-14-24	1240			
3	SS03													1245			
4	SS04													1250			
5	SS05													1255			
6	SS06													1300			
7	SS07													1305			
8	SS08													1310			
9	SS09													1315			
10	SS10													1320			

Relinquished By:

Date: 6-18-24

Time: 1418

Date:

Time:

Received By:

AP

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Yes No

Yes No

CHECKED BY:

(Initials)

AP

Turnaround Time:

Standard Rush

Thermometer ID #113

Correction Factor -0.5°C

140

Bacteria (only) Sample Condition

Cool Intact

Yes No

Yes No

Observed Temp. °C

Corrected Temp. °C

Verbal Result: Yes No Add'l Phone #:

All Results are emailed. Please provide Email address:

bbelill@ensolum.com, TMorrissey@ensolum.com, dmclnnis@ensolum.com

REMARKS:

Cost Center: 1056301001 Incident ID: PENDING

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† Cardinal cannot accept verbal changes. Please email changes to dmclnnis@ensolum.com

FORM-006 R 3.2 10/07/21





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Ensolum, LLC  
Project Manager: David McInnis dmclnnis@ensolum.com

Address: 3122 National Parks Hwy  
City: Carlsbad State: NM Zip: 88220

Phone #: 337 257-8307 Fax #:  
Project #: 03C1558436 Project Owner: XTO

Project Name: Ross Draw 25-31 Battery

Project Location:

Sampler Name: Connor Whitman

## BILL TO

P.O. #:  
Company: XTO Energy Inc.  
Attn: Amy Ruth  
Address: 3104 E. Green St.  
City: Carlsbad  
State: NM Zip: 88220  
Phone #:  
Fax #:

## ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		BTEX	TPH	CHLORIDE	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE				TIME
H243574	SS11	0.5	G 1														
11	SS12																
12	SS13																
13	SS14																
14	SS15																
15	SS16																
16																	

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Relinquished By:

Date: 4-18-24  
Time: 1418

Received By:

Date: 4-18-24  
Time: 1418

Relinquished By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

☒ Yes ☐ No

☐ Yes ☐ No

CHECKED BY:  
(Initials)

DD

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

bbelill@ensolum.com, TMorrissey@ensolum.com, dmclnnis@ensolum.com

REMARKS:

Cost Center: 1056301001

Incident ID: PENDING

Turnaround Time:

AD 4-18-24

Thermometer ID: 4143

Correction Factor: -0.5°C

Standard

Rush

140

Bacteria (only)

Cool Intact

☐ Yes ☐ No

☐ Yes ☐ No

Sample Condition

Observed Temp. °C

☐ Yes ☐ No

☐ Yes ☐ No

Corrected Temp. °C

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





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August 21, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROSS DRAW 25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/15/24 13:05.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 01 1' (H244958-01)**

BTX 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	08/17/2024	ND	2.12	106	2.00	2.67	
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61	
Total BTX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/19/2024	ND	416	104	400	7.41		

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	08/16/2024	ND	227	113	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	216	108	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 02 1' (H244958-02)**

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	08/17/2024	ND	2.12	106	2.00	2.67	
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61	
Total BTEx	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	08/19/2024	ND	416	104	400	7.41		

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	08/16/2024	ND	227	113	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	216	108	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 02A 1' (H244958-03)**

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	08/17/2024	ND	2.12	106	2.00	2.67	
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61	
Total BTEx	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/19/2024	ND	416	104	400	7.41	

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	08/16/2024	ND	219	110	200	9.36	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	209	104	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 03 1' (H244958-04)**

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	08/17/2024	ND	2.12	106	2.00	2.67		
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/19/2024	ND	416	104	400	7.41		

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	08/16/2024	ND	219	110	200	9.36	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	209	104	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 61.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 04 1' (H244958-05)**

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	08/17/2024	ND	2.12	106	2.00	2.67	
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/19/2024	ND	416	104	400	7.41		

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	08/16/2024	ND	219	110	200	9.36	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	209	104	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 05 1' (H244958-06)**

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	08/17/2024	ND	2.12	106	2.00	2.67		
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/19/2024	ND	416	104	400	7.41		

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	08/16/2024	ND	219	110	200	9.36	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	209	104	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 07 1' (H244958-07)**

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	08/17/2024	ND	2.12	106	2.00	2.67	
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/19/2024	ND	416	104	400	7.41		

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	08/16/2024	ND	219	110	200	9.36	
DRO >C10-C28*	11.1	10.0	08/16/2024	ND	209	104	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 08 1' (H244958-08)**

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	08/17/2024	ND	2.12	106	2.00	2.67		
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	08/19/2024	ND	416	104	400	7.41		

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	08/16/2024	ND	219	110	200	9.36	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	209	104	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

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

Received: 08/15/2024  
Reported: 08/21/2024  
Project Name: ROSS DRAW 25-31 BATTERY  
Project Number: 03C1558436  
Project Location: XTO 32.019460-103.942720

Sampling Date: 08/08/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: BH 09 2' (H244958-09)**

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	08/17/2024	ND	2.12	106	2.00	2.67	
Toluene*	<0.050	0.050	08/17/2024	ND	2.14	107	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.13	107	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	6.63	110	6.00	3.61	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/19/2024	ND	416	104	400	7.41	

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	08/16/2024	ND	219	110	200	9.36	
DRO >C10-C28*	10.2	10.0	08/16/2024	ND	209	104	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Tracy Hillard				P.O. #:															
Address: 3122 National Parks Hwy				Company: XTO Energy Inc.															
City: Carlsbad State: NM Zip: 88220				Attn: Amy Ruth															
Phone #: 575-937-3906 Fax #:				Address: 3104 E. Green St.															
Project #: 03C1558436 Project Owner: XTO				City: Carlsbad															
Project Name: Ross Draw 25-31 Battery				State: NM Zip: 88220															
Project Location: 32.019460, -103.942720				Phone #:															
Sampler Name: Jesse Dorman				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX				PRESERV.	SAMPLING		BTEX	TPH	CHLORIDE						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					
H244958																			
1	Bho1	1'	G										8/8/24	1255					
2	Bho2	1'												1315					
3	Bho2A	2'												1320					
4	Bho3	1'												1345					
5	Bho4	1'												1405					
6	Bho5	1'												1430					
7	<del>Bho6</del> Bho7	1'												1440					
8	Bho8	1'												1500					
9	Bho9	2'												1520					
10	ADG1524																		

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Relinquished By:	Date: 8/15/24	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: 1305		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	THillard@ensolum.com TMorrissey@ensolum.com,
	Time:		REMARKS:
Delivered By: (Circle One)	Observed Temp. °C: 3.9°C	Sample Condition: Cool Intact	Cost Center: 1056301001 Incident ID: nAPP2419856452
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 3.3°C	Checked By: (Initials) AP	Turnaround Time: 15-24 Standard Rush
			Thermometer ID #443 Correction Factor 0.0°C
			Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C
			Corrected Temp. °C

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



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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 438346

QUESTIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  438346
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2419856452
Incident Name	NAPP2419856452 ROSS DRAW 25 #31 BATTERY @ 0
Incident Type	Release Other
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ROSS DRAW 25 #31 BATTERY
Date Release Discovered	06/12/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
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	Cause: Corrosion   Dump Line   Crude Oil   Released: 7 BBL   Recovered: 4 BBL   Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion   Dump Line   Produced Water   Released: 83 BBL   Recovered: 56 BBL   Lost: 27 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 438346

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 438346
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. 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: Robert Woodall Title: Environmental Analyst Email: <a href="mailto:robert.d.woodall@exxonmobil.com">robert.d.woodall@exxonmobil.com</a> Date: 03/03/2025
--	---

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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 438346

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  438346
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 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 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 100 (ft.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	12200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	742
GRO+DRO (EPA SW-846 Method 8015M)	713
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/14/2024
On what date will (or did) the final sampling or liner inspection occur	02/21/2025
On what date will (or was) the remediation complete(d)	02/21/2025
What is the estimated surface area (in square feet) that will be reclaimed	21975
What is the estimated volume (in cubic yards) that will be reclaimed	914
What is the estimated surface area (in square feet) that will be remediated	21975
What is the estimated volume (in cubic yards) that will be remediated	840
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>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.</i>	

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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 438346

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  438346
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	OWL LANDFILL JAL [fJEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 03/03/2025
<i>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.</i>	



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QUESTIONS, Page 5

Action 438346

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  438346
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 438346

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	438346
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	431514
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/21/2025
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	1400

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	21975
What was the total volume (cubic yards) remediated	840
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	18375
What was the total volume (in cubic yards) reclaimed	707
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site in accordance with the Work Plan to address the June 12, 2024 release of crude oil and produced water. The approved August 29, 2024, Work Plan is included in Appendix D. Laboratory analytical results for all final excavation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. Approximately 74 cubic yards of waste-containing soil remain in place over an estimated 2,000 square foot area on pad that will be addressed at pad abandonment. The final excavation backfill is ongoing with material purchased locally and is being recontoured to match pre-existing Site conditions. Excavation of soil has removed impacted soil from the area. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2419856452.
<i>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>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 03/03/2025

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Action 438346

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
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QUESTIONS

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

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CONDITIONS

Action 438346

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvez	None	6/5/2025