



4518 W. Pierce St. Carlsbad NM, 88220

February 20, 2026

XTO Energy
3104 E Greene Street
Carlsbad NM, 88220

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

RE: **Amended Closure Report**
XTO Energy
PLU Meter # 089 Battery
Unit G, Section 25, Township 24S, Range 30 E
Lat° 32.18991, Long° -103.83168
Eddy County, New Mexico
Terracon Project No. AR247297

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is submitting this Release Investigation and Closure Report for the above-referenced site on behalf of XTO Energy. Prepared in line with New Mexico Oil Conservation Division (NMOCD) regulations, this report addresses the environmental actions taken in response to a release of crude oil. The release was discovered on December 11, 2024 and was found to be a result of equipment failure. Detailed assessment and remedial actions by Terracon are outlined in the following sections.

NMOCD Comment: On November 18, 2025, Shelly Wells, with the NMOCD provided the following response to the release investigation and closure report dated October 10, 2025.

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2434746334, for the following reasons:

- 1. Deferral denied for the following reasons: Pg. 3 of remediation summary says the following: "Areas exhibiting visual impact and the areas that exceeded the closure criteria were excavated to a depth of between 1 feet to 2.5 feet bgs." According to your explanation regarding sidewall CSW07 being collected at 2.5' the excavation only went to 1'. Update report to reflect this.**

Terracon Response: Field staff used an incorrect local datum to measure depth, which resulted in the sample incorrectly being assigned to 2.5' depth. The actual sample was a composite collected from 0 to 1.0 feet depth. This information has been confirmed utilizing the photographic log, included as Appendix E. The text, tables and maps have been updated to reflect this corrected information.

Explore with us

Closure Documentation
PLU Meter #089 Battery | Eddy County, New Mexico
October 10, 2025 | Terracon Project No. AR24297



- 2. Referring to Deferral Area Map, there is a red square beside where CSW-06 was collected, to the north of the shed. A surface delineation sample needs collected northwest of this to confirm the impacts are contained to the area you have highlighted in red.**

Terracon Response: We returned to the site on 09/30/25 and collected additional samples as shown on Exhibits 3 and 7C, labeled as NW Shed. Chloride and TPH results from the sample was reported below the Table 1 closure criteria for chlorides and TPH. The original delineation sample collected from the northwest portion of the location, on December 19, 2024 meets the requirements for full delineation any soils that remain in place elevated above the Table 1 delineation standards will be reclaimed following the abandonment of the facility.

- 3. Referring to Confirmation Floor Sample Map, CSF-04 was only excavated to .5'. On the map, you have it highlighted showing it was Excavated to 1.0 ft. Update.**

Terracon Response: We have remedied the discrepancy as seen Exhibit 7A in Appendix A.

- 4. Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC. The C-141Ns submitted for 1/8/25 and 2/6/25 were not submitted two business days prior to sample collection. There was no C-141N submitted for confirmation samples collected on 1/23/25. Submit updated report to the OCD by 12/18/25.**

Terracon Response: The sampling notification was an oversight during the transition of this project from a former employee to the current project manager. This oversight will not happen in the future.

Site Information

Notice of the release was provided to the NMOCD by Colton Brown on December 11, 2024, with the submission of the initial C-141. The release was assigned NMOCD Reference ID: nAPP2434746334. The site is located within Unit G, Section 25, Township 24S, Range 30E, approximately 28.5 miles northeast of Carlsbad, New Mexico. A Topographic Map and Site Location Map are included in Appendix A, as Exhibit 1 and Exhibit 2, respectively.

Regulatory Criteria

Groundwater

Data from the New Mexico Office of the State Engineer (NMOSE) website identified a Point of Diversion C-4478 located approximately 0.03 miles southwest of the site. A copy of the NMOSE Pod Location Map as shown as Exhibit 4 in Appendix A. This groundwater well was completed to a depth of 110 feet below ground surface (bgs) in 2020 and did not encounter groundwater, indicating the depth to water is greater than 110 feet bgs.

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Wetlands

The U.S. Fish and Wildlife Service, National Wetlands Inventory website indicates that there are no wetlands located within 1 mile of the site. A Designated Wetland Area Map is presented as Exhibit 5, Appendix A.

Karst

Geospatial data obtained from the BLM Carlsbad Field Office website indicated that the site is within an area of low risk for Karst formations. A copy of the Cave Karst Public UCP Map is presented as Exhibit 6, Appendix A.

Remediation

Remediation Standards

Per New Mexico Administrative Code (NMAC) 19.15.29.12, the closure criteria for the site are based on the remedial requirements for an on-pad release in an area with depth to groundwater greater than 100 feet. The closure criteria is shown in the following table, taken from 19.15.29.12 NMAC, highlighted in green:

Table 1 in 19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release				
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/L TDS	Constituent	Method	Limit	Units
≤ 50 feet	Chloride	EPA 300 or SM4500 C1 B	600	mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015	100	mg/kg
	BTEX	EPA SW-846 Method 8021B 8260B	50	mg/kg
	Benzene	EPA SW-846 Method 8021B 8260B	10	mg/kg
51 - 100 feet	Chloride	EPA 300 or SM4500 C1 B	10,000	mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015	2,500	mg/kg
	(GRO + DRO)	EPA SW-846 Method 8015	1,000	mg/kg
	BTEX	EPA SW-846 Method 8021B 8260B	50	mg/kg
	Benzene	EPA SW-846 Method 8021B 8260B	10	mg/kg
> 100 feet	Chloride	EPA 300 or SM4500 C1 B	20,000	mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015	2,500	mg/kg
	(GRO + DRO)	EPA SW-846 Method 8015	1,000	mg/kg
	BTEX	EPA SW-846 Method 8021B 8260B	50	mg/kg
	Benzene	EPA SW-846 Method 8021B 8260B	10	mg/kg
Data from this table was taken from Table 1 in 19.15.29.12 NMAC - N				
Depth To Water:	> 110 ft bgs	Due to the low Karst Potential and no water found to at least 110 feet below		
Karst Potential:	Low	ground level. Terracon will proceed assuming these standards.		

Remedial / Delineation Activities

Terracon conducted remedial activities at the site from January 7, 2025 through February 11, 2025. An area of approximately 3,100 square feet was affected by the release. A total of 14 delineation samples from 7 locations were collected and submitted for analysis of BTEX,

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Chlorides, and TPH. The delineation sample results for BTEX, TPH, and Chloride were below applicable NMOCD closure criteria for groundwater with a depth greater than 100 feet. A Delineation Sample Map depicting the sample locations, analytical results, and the excavation extent are included in Appendix A, Exhibit 3. Delineation sample results are included in Appendix B, Table 1.

Confirmation / Closure Activities

Areas exhibiting visual impact and the areas that exceeded the closure criteria were excavated to a depth of between 1 feet to 2.5 feet bgs. A total of 38 confirmation soil samples were collected from January 8, 2025, through February 6, 2025, and submitted for analysis of BTEX, Chlorides, and TPH. Confirmation sample results for BTEX and Chloride were below the applicable NMOCD closure criteria. Nine of the initial confirmation samples exceeded the closure criteria for TPH ranging from 3,461.4 mg/kg in CSF-08 (0.25') to 10,068 mg/kg in CSF-10 (0.25'). These areas were excavated further and resampled, and the sample results were below applicable NMOCD closure criteria. The excavations were backfilled with imported fill material from Mo's Crushing Cimmaron Pit. Confirmation sample results are included in Appendix B as Table 2 for the floor samples and Table 3 for the sidewall samples, respectively.

A total of approximately 72 cubic yards (cu. yds.) of loose soil was excavated during remedial activities. This soil was excavated from the reclamation zone from ground surface to a maximum depth of two and a half feet below grade surface. Excavated material was stockpiled on-site atop a polyethylene liner pending disposal under an approved Form C-138. The excavated material was disposed of at the R360 facility in Hobb's, New Mexico. Soil disposal waste manifests are available upon request. A Confirmation Sample Map depicting the floor and wall sample locations and analytical results for Chlorides/BTEX/TPH is included in Appendix A, Exhibit 7A and 7B, respectively. Floor and wall confirmation sample analytical results are included in Appendix B, Table 2 and Table 3, respectively. Photographs of the project site are included in Appendix E. The analytical reports and Chain of Custody (COC) are included in Appendix F.

Variance/Deferral Request

XTO Energy requests a variance to defer the remedial actions of the release material directly surrounding and under the on-site equipment in accordance with New Mexico Administrative Code (NMAC) 19.15.29.1.C (2). It is not XTO Energy's intent to avoid remediation of the impacts because of the release, but to defer remediation to Time of Abandonment (TOA), as the removal of materials proximate to the numerous lines and equipment in the release area would be an elevated safety risk to personnel. Once the equipment is no longer in service, XTO Energy is committed to remediating the impacted materials in accordance with NMAC 19.15.29.1 c(2).

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Conclusion

In accordance with NMAC 19.15.29.12 and NMAC 19.15.29.1.C (2), remediation of accessible impacted material is complete, and delineation has been attained in accordance with NMOCD criteria and the NMAC deferral state statute. XTO Energy respectfully requests closure and deferral of the reportable incident that occurred on December 11, 2024, at the NMOCD Reference Number nAPP2434746334 – PLE Meter #089 Battery location.

We appreciate the opportunity to offer our environmental services to XTO Energy. We are committed to providing the highest level of service and support. Should you need further information or have any queries, we encourage you to reach out to our office at your earliest convenience.

Sincerely,



Prepared by:

A handwritten signature in black ink that reads 'Austin Worley'.

Austin Worley
Environmental Staff Scientist
Carlsbad, NM

Reviewed by:

A handwritten signature in black ink that reads 'John Grams'.

John Grams, P.G. (TX)
Senior Consultant
Lubbock, TX

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Attachments:

Appendix A – Exhibits

- Exhibit 1 – Topographic Map
- Exhibit 2 – Site Location Map
- Exhibit 3 – Delineation Sample Map
- Exhibit 4 – NMOSE POD Location Map
- Exhibit 5 – Designated Wetland Area Map
- Exhibit 6 – Cave Karst Public UCP Map
- Exhibit 7A – Confirmation Floor Sample Map
- Exhibit 7B – Confirmation Wall Sample Map
- Exhibit 7C – Deferral Area Map

Appendix B – Tables

- Table 1 – Delineation Samples
- Table 2 – Confirmation Floor Samples
- Table 3 – Confirmation Wall Samples

Appendix C – C-141 Summary Sheet

Appendix D – Well Information

Appendix E – Photographic Log

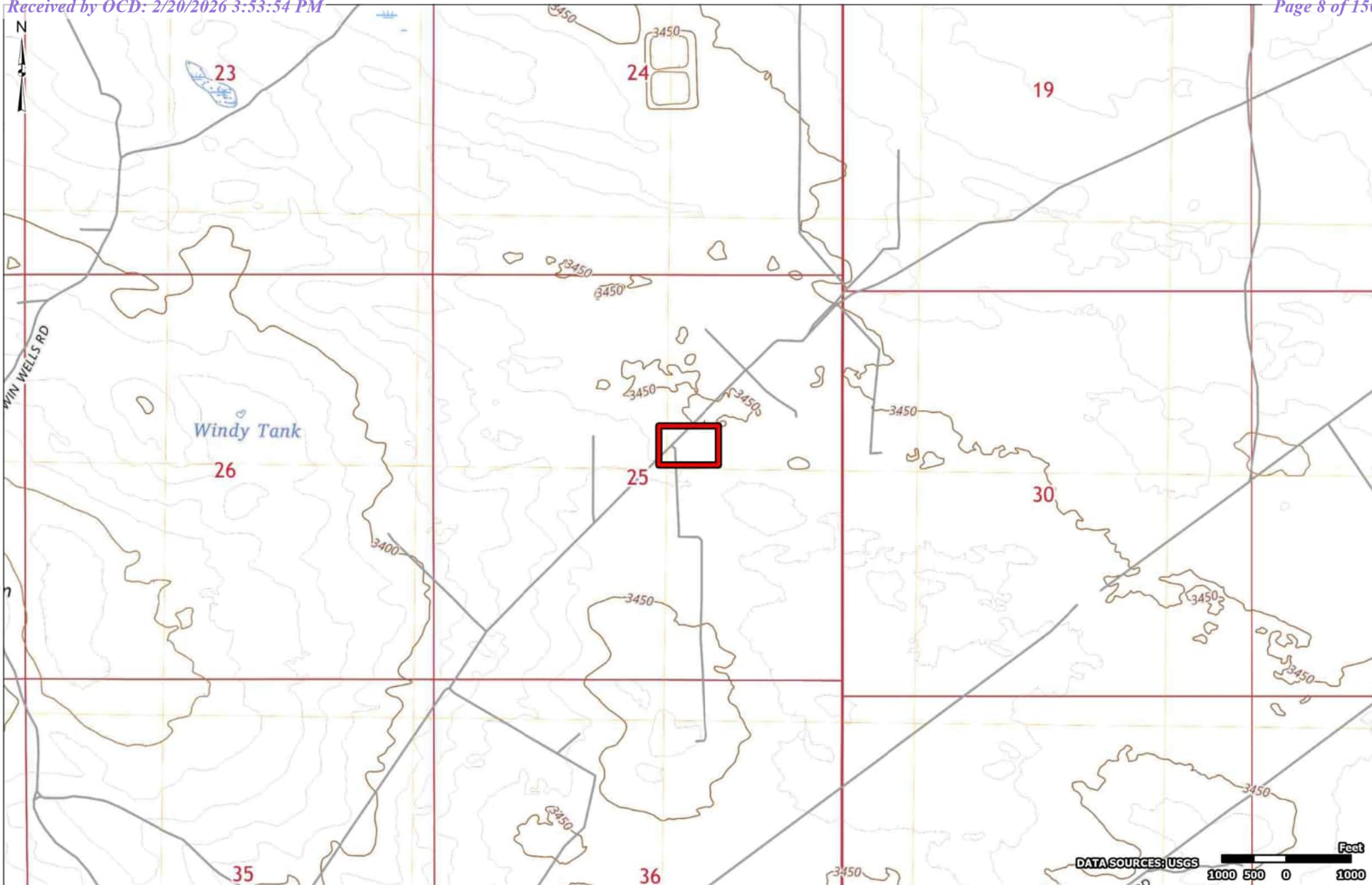
Appendix F – Analytical Report and Chain of Custody

Appendix G – Terracon Standard of Care, Limitation, and Reliance

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APPENDIX A – EXHIBITS




 Site Boundary

Project No.:
AR247297

Date:
Jan 02 2025

Drawn By:
JWL

Reviewed By:
JRG



4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140 terracon.com

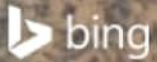
Topographic Map

Poker Lake Unit Meter 089
32.18991, -103.83168
Malaga, Eddy County, New Mexico

Exhibit

1

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DATA SOURCES: Bing Feet



Site Boundary

Project No.:
AR247297
Date:
Jan 02 2025
Drawn By:
JWL
Reviewed By:
JRG



4526 W Pierce St
Carlsbad, NM

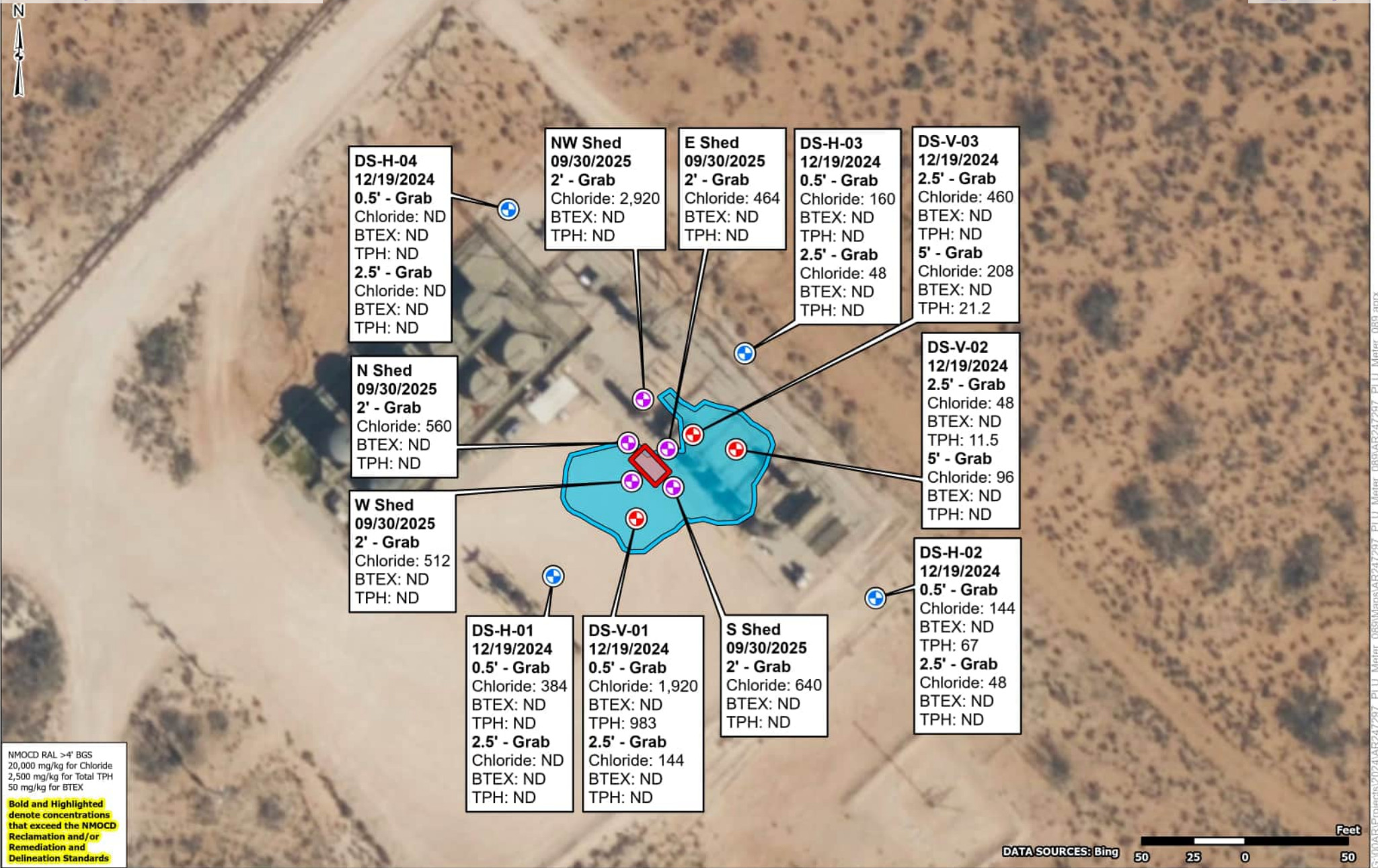
PH. 806-300-0140 terracon.com

Site Location Map

Poker Lake Unit Meter 089
32.18991, -103.83168
Malaga, Eddy County, New Mexico

Exhibit

2



DS-H-04
12/19/2024
0.5' - Grab
 Chloride: ND
 BTEX: ND
 TPH: ND
2.5' - Grab
 Chloride: ND
 BTEX: ND
 TPH: ND

NW Shed
09/30/2025
2' - Grab
 Chloride: 2,920
 BTEX: ND
 TPH: ND

E Shed
09/30/2025
2' - Grab
 Chloride: 464
 BTEX: ND
 TPH: ND

DS-H-03
12/19/2024
0.5' - Grab
 Chloride: 160
 BTEX: ND
 TPH: ND
2.5' - Grab
 Chloride: 48
 BTEX: ND
 TPH: ND

DS-V-03
12/19/2024
2.5' - Grab
 Chloride: 460
 BTEX: ND
 TPH: ND
5' - Grab
 Chloride: 208
 BTEX: ND
 TPH: 21.2

N Shed
09/30/2025
2' - Grab
 Chloride: 560
 BTEX: ND
 TPH: ND

DS-V-02
12/19/2024
2.5' - Grab
 Chloride: 48
 BTEX: ND
 TPH: 11.5
5' - Grab
 Chloride: 96
 BTEX: ND
 TPH: ND

W Shed
09/30/2025
2' - Grab
 Chloride: 512
 BTEX: ND
 TPH: ND

DS-H-02
12/19/2024
0.5' - Grab
 Chloride: 144
 BTEX: ND
 TPH: 67
2.5' - Grab
 Chloride: 48
 BTEX: ND
 TPH: ND

DS-H-01
12/19/2024
0.5' - Grab
 Chloride: 384
 BTEX: ND
 TPH: ND
2.5' - Grab
 Chloride: ND
 BTEX: ND
 TPH: ND

DS-V-01
12/19/2024
0.5' - Grab
 Chloride: 1,920
 BTEX: ND
 TPH: 983
2.5' - Grab
 Chloride: 144
 BTEX: ND
 TPH: ND

S Shed
09/30/2025
2' - Grab
 Chloride: 640
 BTEX: ND
 TPH: ND

NMOC RAL >4" BGS
 20,000 mg/kg for Chloride
 2,500 mg/kg for Total TPH
 50 mg/kg for BTEX

Bold and Highlighted denote concentrations that exceed the NMOC Reclamation and/or Remediation and Delineation Standards

DATA SOURCES: Bing 50 25 0 50 Feet

- Shed Delineation Sample
- Vertical Delineation Sample
- Horizontal Delineation Sample
- Shed
- Inferred Release

Project No.: AR247297
 Date: Feb 17 2026
 Drawn By: JWJ
 Reviewed By: JRG

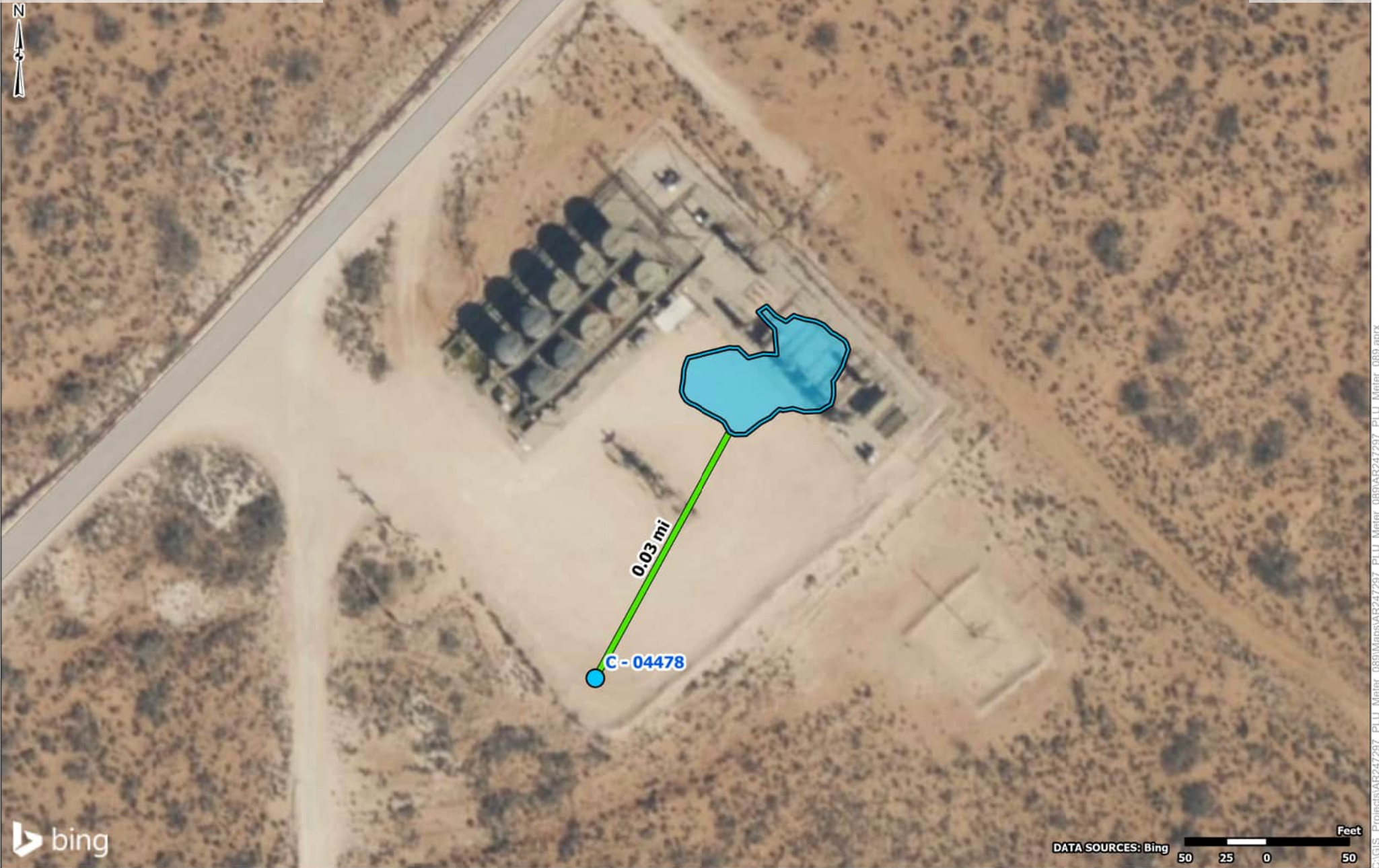
5847 50th St
 Lubbock, TX
 PH. 806-300-0140 terracon.com

Delineation Sample Map

Poker Lake Unit Meter 089
 32.18991, -103.83168
 Malaga, Eddy County, New Mexico

Exhibit

3




- Inferred Release
- NMOSE POD Location

Project No.:
AR247297

Date:
Jan 02 2025

Drawn By:
JWL

Reviewed By:
JRG



4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140 terracon.com

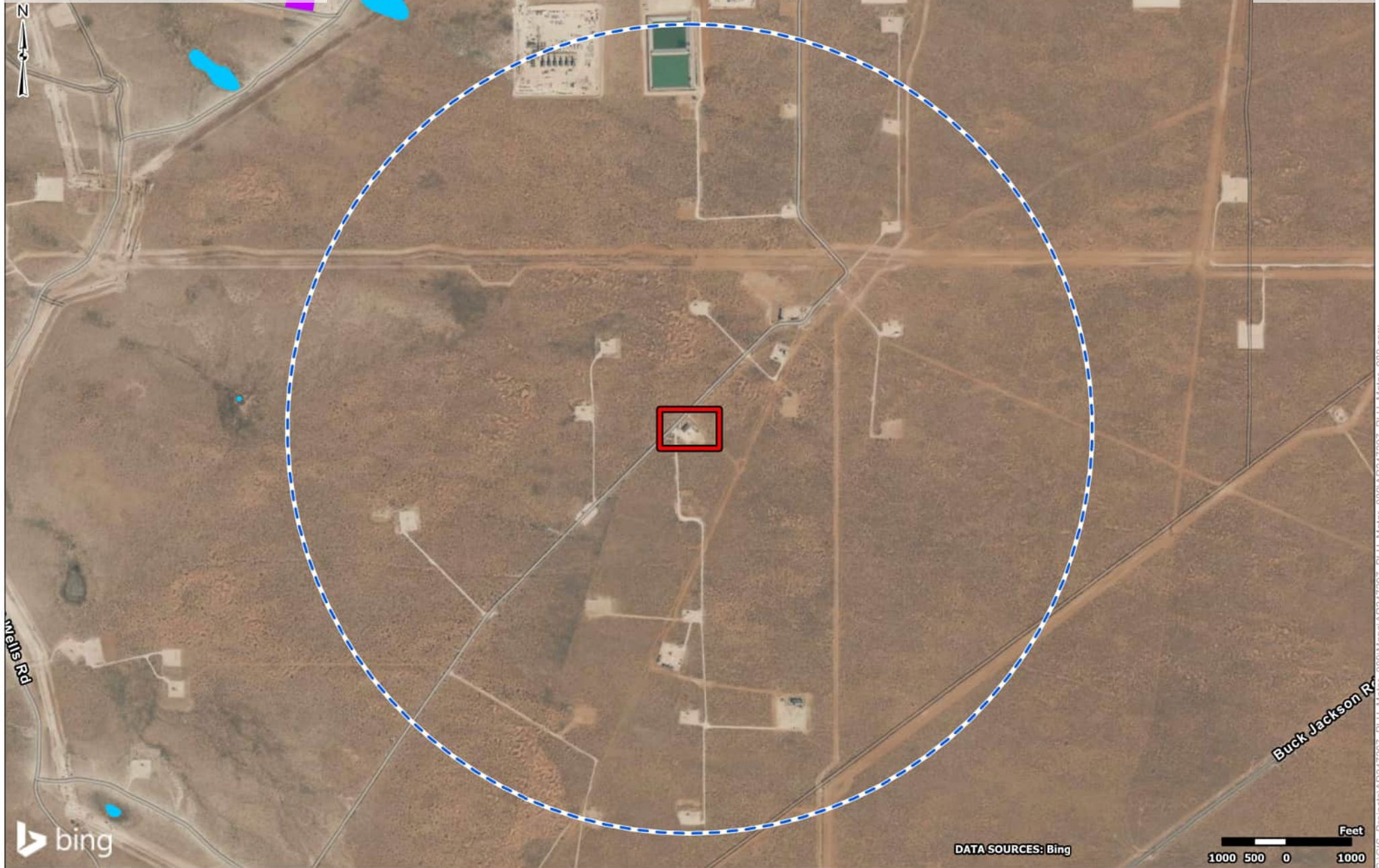
NMOSE POD Location Map

Poker Lake Unit Meter 089
32.18991, -103.83168
Malaga, Eddy County, New Mexico

Exhibit

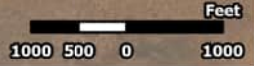
4





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bing

DATA SOURCES: Bing




-  Site Boundary
-  1-Mile Radius
-  Freshwater Emergent Wetland
-  Freshwater Pond

Project No.:
AR247297

Date:
Jan 02 2025

Drawn By:
JWL

Reviewed By:
JRG



4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140 terracon.com

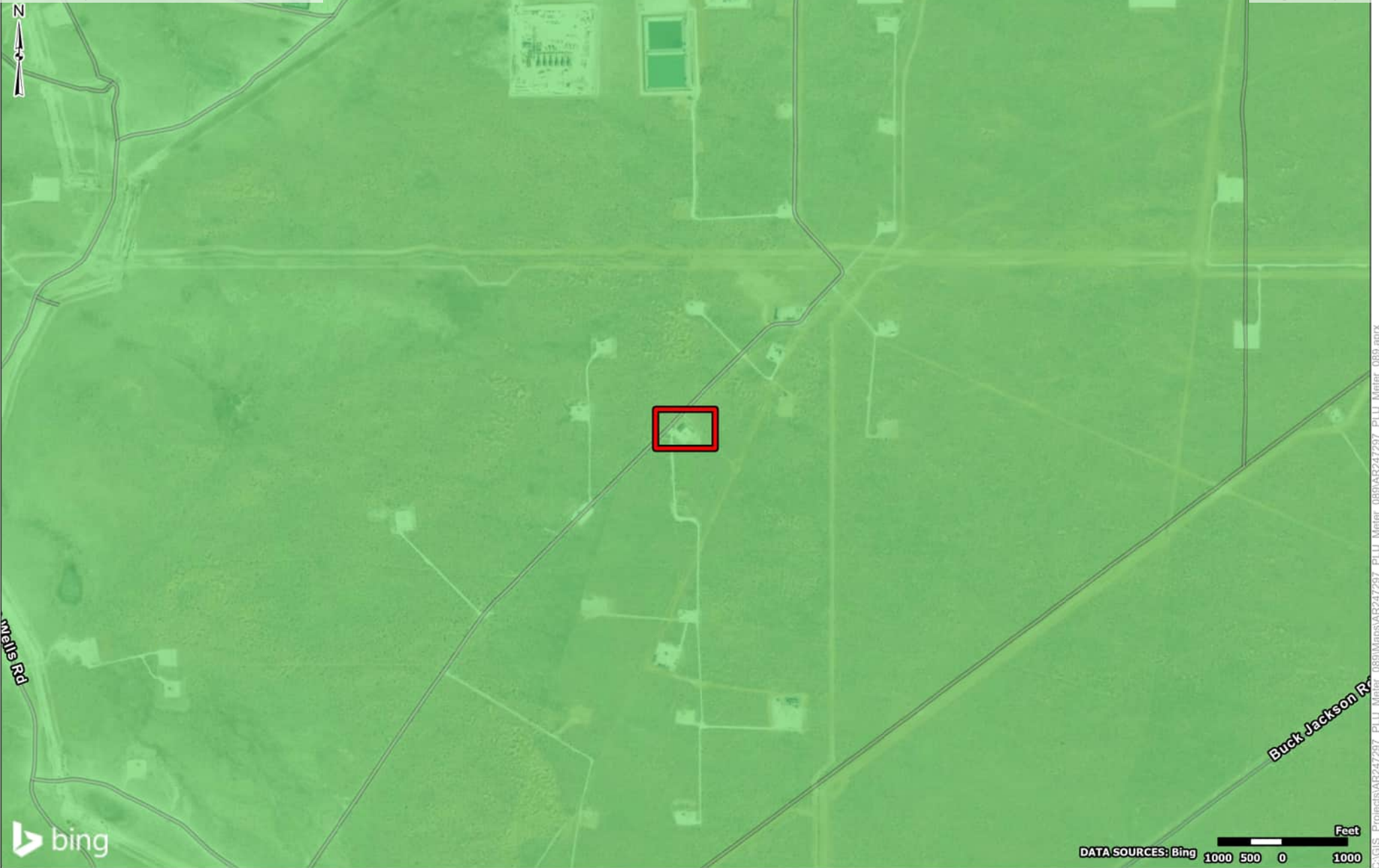
Designated Wetland Area Map

Poker Lake Unit Meter 089
32.18991, -103.83168
Malaga, Eddy County, New Mexico

Exhibit


5

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- Site Boundary
- Karst Potential**
- Low
- Medium
- High

Project No.: AR247297
 Date: Jan 02 2025
 Drawn By: JWJ
 Reviewed By: JRG



4526 W Pierce St
 Carlsbad, NM
 PH. 806-300-0140 terracon.com

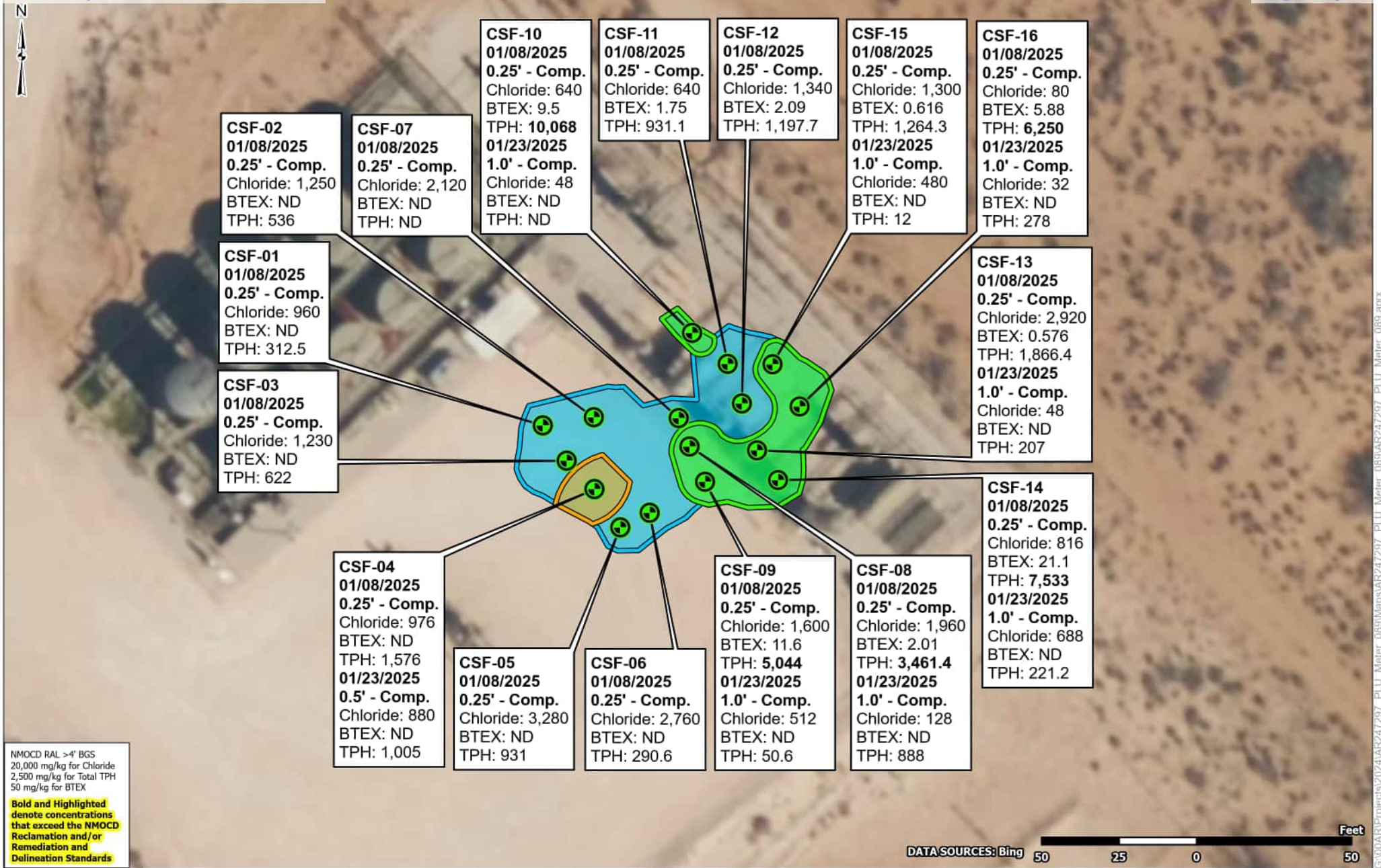
Cave Karst Public UCP Map

Poker Lake Unit Meter 089
 32.18991, -103.83168
 Malaga, Eddy County, New Mexico

Exhibit

6

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- ⊕ Confirmation Floor Sample
- Additional Excavation - 0.5-ft BGS
- Additional Excavation - 1.0-ft BGS
- Initial Excavation - 0.25-ft BGS

Project No.: AR247297
 Date: Feb 16 2026
 Drawn By: JWJ
 Reviewed By: JRG

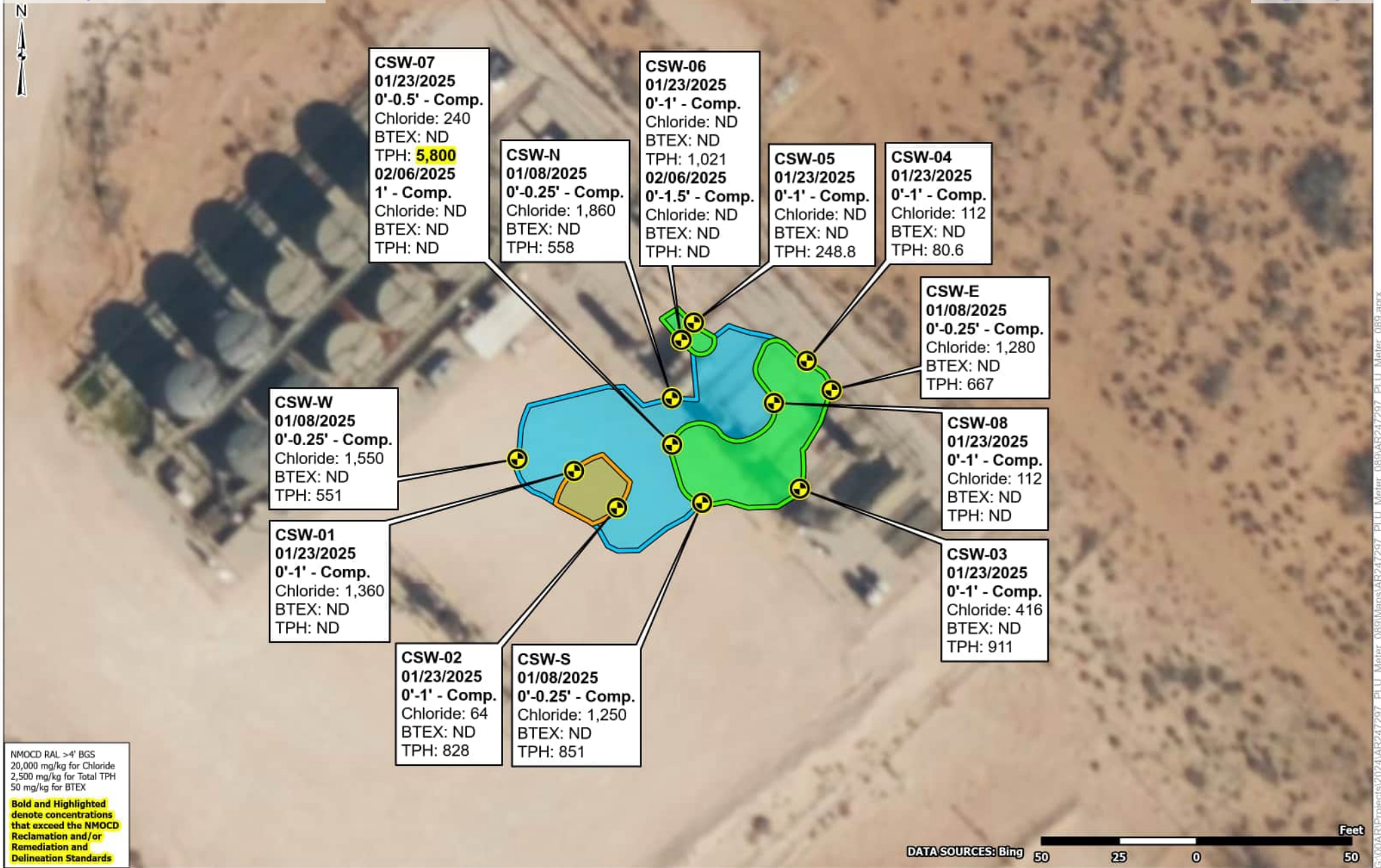
5847 50th St
Lubbock, TX
PH. 806-300-0140 terracon.com

Confirmation Floor Sample Map

Poker Lake Unit Meter 089
 32.18991, -103.83168
 Malaga, Eddy County, New Mexico

Exhibit

7A



- Confirmation Wall Sample
 - Additional Excavation - 0.5-ft BGS
 - Additional Excavation - 1.0-ft BGS
 - Initial Excavation - 0.25-ft BGS
- Released to Imaging: 3/16/2026 9:48:07 AM

Project No.:
AR247297
Date:
Feb 19 2026
Drawn By:
JWL
Reviewed By:
JRG

5847 50th St
Lubbock, TX
PH. 806-300-0140 terracon.com

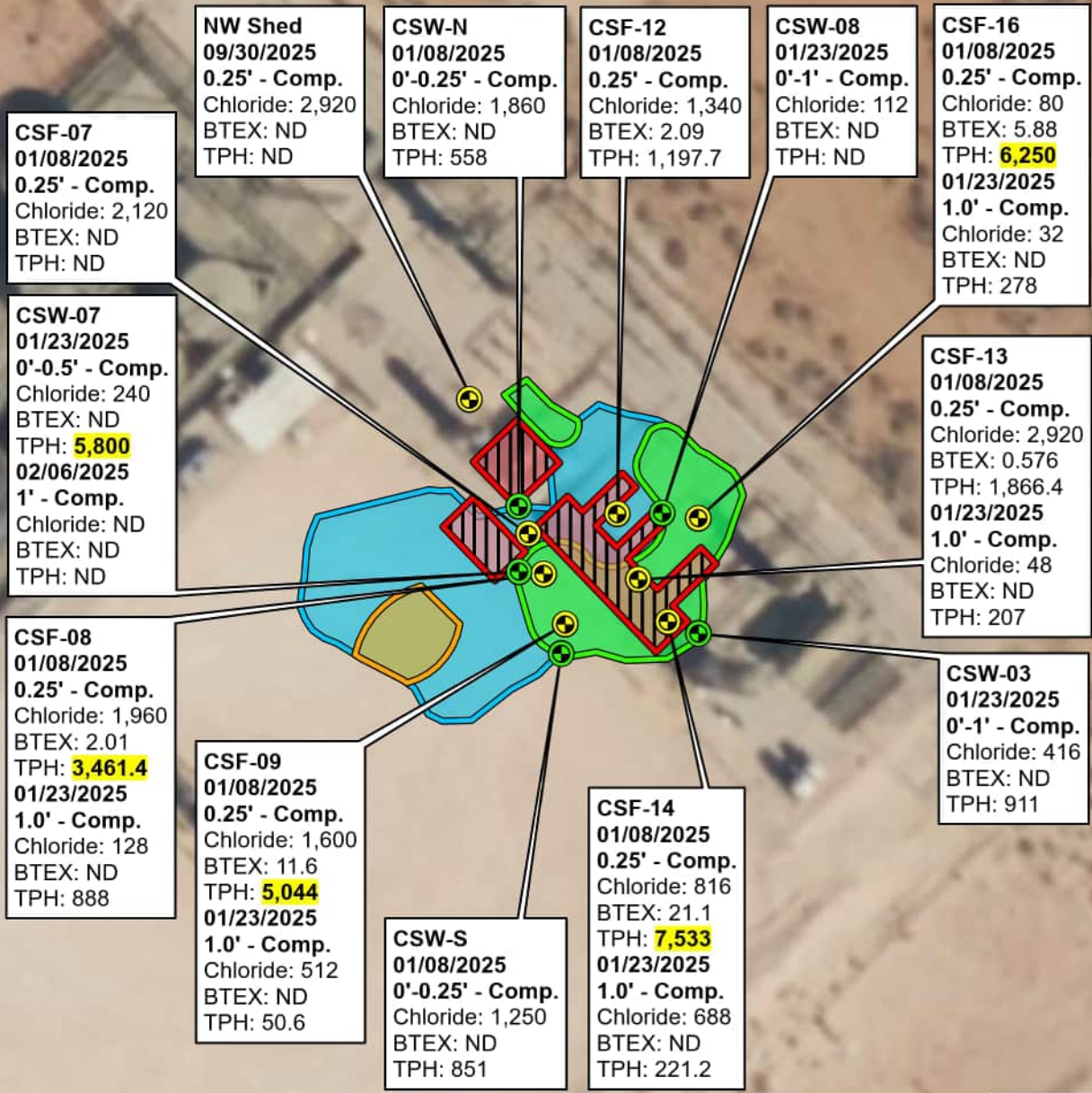
Confirmation Wall Sample Map

Poker Lake Unit Meter 089
32.18991, -103.83168
Malaga, Eddy County, New Mexico

Exhibit

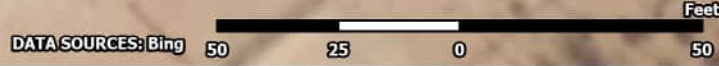
7B

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NMOC RAL >4' BGS
 20,000 mg/kg for Chloride
 2,500 mg/kg for Total TPH
 50 mg/kg for BTEX

Bold and Highlighted
 denote concentrations
 that exceed the NMOC
 Reclamation and/or
 Remediation and
 Delineation Standards



- Confirmation Floor Sample
- Confirmation Wall Sample
- Deferral
- Additional Excavation - 0.5-ft BGS
- Additional Excavation - 1.0-ft BGS
- Initial Excavation - 0.25-ft BGS

Project No.:
AR247297

Date:
Feb 19 2026

Drawn By:
JWL

Reviewed By:
JRG

5847 50th St
Lubbock, TX

PH. 806-300-0140 terracon.com

Deferral Area Map

Poker Lake Unit Meter 089
 32.18991, -103.83168
 Malaga, Eddy County, New Mexico

Exhibit


7C

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Closure Documentation
PLU Meter #089 Battery | Eddy County, New Mexico
October 10, 2025 | Terracon Project No. AR24297



APPENDIX B – TABLES

Table 1 - Release Assessment PLU Meter #89 Terracon Project Code: AR247297 NMOCD Reference No. Napp2434746334											
Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Release Assessment											
Horizontal Delineation Samples											
DSH-01	12/19/2024	0.5	HA-Grab	In-Situ	384	ND	ND	ND	ND	ND	ND
	12/19/2024	2.5	HA-Grab	In-Situ	16	ND	ND	ND	ND	ND	ND
DSH-02	12/19/2024	0.5	HA-Grab	In-Situ	144	ND	ND	67	ND	38.4	29
	12/19/2024	2.5	HA-Grab	In-Situ	48	ND	ND	ND	ND	ND	ND
DSH-03	12/19/2024	0.5	HA-Grab	In-Situ	160	ND	ND	ND	ND	ND	ND
	12/19/2024	2.5	HA-Grab	In-Situ	48	ND	ND	ND	ND	ND	ND
DSH-04	12/19/2024	0.5	HA-Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND
	12/19/2024	2.5	HA-Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND
Vertical Delineation Samples											
DS-V-01	12/19/2024	0.5	HA-Grab	In-Situ	1,920	ND	ND	983	ND	600	383
	12/19/2024	2.5	HA-Grab	In-Situ	144	ND	ND	ND	ND	ND	ND
DS-V-02	12/19/2024	2.5	HA-Grab	In-Situ	48	ND	ND	11.5	ND	11.5	ND
	12/19/2024	5	HA-Grab	In-Situ	96	ND	ND	ND	ND	ND	ND
DS-V-03	12/19/2024	2.5	HA-Grab	In-Situ	160	ND	ND	ND	ND	ND	ND
	12/19/2024	5	HA-Grab	In-Situ	208	ND	ND	21.2	ND	21.2	ND
Shed Horizontal Samples											
N Shed	9/30/2025	2	HA-Grab	In-Situ	560	ND	ND	ND	ND	ND	ND
E Shed	9/30/2025	2	HA-Grab	In-Situ	464	ND	ND	ND	ND	ND	ND
S Shed	9/30/2025	2	HA-Grab	In-Situ	640	ND	ND	ND	ND	ND	ND
W Shed	9/30/2025	2	HA-Grab	In-Situ	512	ND	ND	ND	ND	ND	ND
NW Shed	9/30/2025	0.25	HA-Grab	In-Situ	2,920	ND	ND	ND	ND	ND	ND
NMOCD Remediation Standards⁴ (Greater than Depths of 4 ft bgs)					20,000	10	50	2,500	1,000		N/A
1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes 2. TPH = Total petroleum hydrocarbons 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N,12/01/23 ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL). NA = Not Analyzed Bold denotes concentrations above applicable laboratory SDLs. Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.									Data Entry:	GS	
In-situ = Sample is representative of material which remains in-place at the site. Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.									Reviewed By:	BSM AHW	
									 Explore with us		

**Table 2 - Confirmation Floors
PLU Meter #89
Terracon Project Code: AR247297
MOCD Reference No. Napp243474633**

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Table											
CSF-01	1/8/2025	0.25	Composite	In-Situ	960	ND	ND	312.5	ND	259	53.5
CSF-02	1/8/2025	0.25	Composite	In-Situ	1,250	ND	ND	536	ND	407	129
CSF-03	1/8/2025	0.25	Composite	In-Situ	1,230	ND	ND	622	ND	495	127
CSF-04	1/8/2025	0.25	Composite	Excavated	976	ND	ND	1,576	30	1,280	266
	1/23/2025	0.5	Composite	In-Situ	880	ND	ND	1,005	ND	699	306
CSF-05	1/8/2025	0.25	Composite	In-Situ	3,280	ND	ND	931	ND	687	244
CSF-06	1/8/2025	0.25	Composite	In-Situ	2,760	ND	ND	290.6	ND	238	52.6
CSF-07	1/8/2025	0.25	Composite	In-Situ	2,120	ND	ND	ND	ND	ND	ND
CSF-08	1/8/2025	0.25	Composite	Excavated	1,960	ND	2.01	3,461.4	44.4	2,630	787
	1/23/2025	1.0	Composite	In-Situ	128	ND	ND	888	ND	563	325
CSF-09	1/8/2025	0.25	Composite	Excavated	1,600	0.484	11.6	5,044	558	3,610	876
	1/23/2025	1.0	Composite	In-Situ	512	ND	ND	50.6	ND	40.6	10
CSF-10	1/8/2025	0.25	Composite	Excavated	640	0.25	9.5	10,068	418	7,050	2,600
	1/23/2025	1.0	Composite	In-Situ	48	ND	ND	ND	ND	ND	ND
CSF-11	1/8/2025	0.25	Composite	In-Situ	640	0.077	1.75	931.1	28.1	645	258
CSF-12	1/8/2025	0.25	Composite	In-Situ	1,340	0.294	2.09	1,179.70	51.7	849	279
CSF-13	1/8/2025	0.25	Composite	Excavated	2,920	ND	0.576	1,866.40	51.4	1,500	315
	1/23/2025	1.0	Composite	In-Situ	48	ND	ND	207	ND	125	82
CSF-14	1/8/2025	0.25	Composite	Excavated	816	1.95	21.1	7,533	653	4,780	2,100
	1/23/2025	1.0	Composite	In-Situ	688	ND	ND	221.2	ND	157	64.2
CSF-15	1/8/2025	0.25	Composite	Excavated	1,300	ND	0.616	1,264.30	18.3	1,060	186
	1/23/2025	1.0	Composite	In-Situ	480	ND	ND	12	ND	12	ND
CSF-16	1/8/2025	0.25	Composite	Excavated	80	0.211	5.88	6,250	190	4,320	1,740
	1/23/2025	1.0	Composite	In-Situ	32	ND	ND	278	ND	162	116
NMOCD Remediation Standards⁴ (Greater than Depths of 4 ft bgs)					20,000	10	50	2,500	1,000	N/A	

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
 2. TPH = Total petroleum hydrocarbons
 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4
 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018
 ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).
 NA = Not Analyzed
Bold denotes concentrations above applicable laboratory SDLs.
Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
 In-situ = Sample is representative of material which remains in-place at the site.
 Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.




Data Entry:	BSM
Reviewed By:	AHW
 <p>Terracon Explore with us</p>	

Table 3 - Confirmation Sidewalls PLU Meter #89 Terracon Project Code: AR247297 NMOCD Reference No. Napp2434746334												
Sample ID	Sample Date	Sample Start Depth (ft bgs)	Sample End Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
						EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Wall Samples												
CSW-N	1/8/2025	0	0.25	Composite	In-Situ	1,860	ND	ND	558	ND	393	165
CSW-S	1/8/2025	0	0.25	Composite	In-Situ	1,250	ND	ND	851	ND	646	205
CSW-W	1/8/2025	0	0.25	Composite	In-Situ	1,550	ND	ND	551	ND	419	132
CSW-E	1/8/2025	0	0.25	Composite	In-Situ	1,280	ND	ND	667	ND	500	167
CSW-01	1/23/2025	0	1	Composite	In-Situ	1,360	ND	ND	ND	ND	ND	ND
CSW-02	1/23/2025	0	1	Composite	In-Situ	64	ND	ND	828	ND	531	297
CSW-03	1/23/2025	0	1	Composite	In-Situ	416	ND	ND	911	ND	627	284
CSW-04	1/23/2025	0	1	Composite	In-Situ	112	ND	ND	80.6	ND	56.2	24.4
CSW-05	1/23/2025	0	1	Composite	In-Situ	ND	ND	ND	248.8	ND	193	55.8
CSW-06	1/23/2025	0	1	Composite	Excavated	ND	ND	ND	1,021	ND	731	290
	2/6/2025	0	1.5	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
CSW-07	1/23/2025	0	0.5	Composite	Excavated	240	ND	ND	5,800	ND	4,140	1,660
	2/6/2025	0	1	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
CSW-08	1/23/2025	0	1	Composite	In-Situ	112	ND	ND	ND	ND	ND	ND
NMOCD Remediation Standards⁴ (Greater than Depths of 4 ft bgs)						20,000	10	50	2,500	1,000		N/A
1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes 2. TPH = Total petroleum hydrocarbons 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018 ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL). NA = Not Analyzed Bold denotes concentrations above applicable laboratory SDLs. Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards. In-situ = Sample is representative of material which remains in-place at the site. Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.										Data Entry:	BSM	
										Reviewed By:	AHW	
										 Explore with us		

Closure Documentation
PLU Meter #089 Battery | Eddy County, New Mexico
October 10, 2025 | Terracon Project No. AR24297



APPENDIX C – C-141 SUMMARY SHEET

Monday, April 7, 2025			
C-141 Summary Sheet			
Summary of incident information relevant to C-141			
Name:	Colton Brown		
Email:	colton.s.brown@exxonmobil.com		
Phone:	(575)988-2390		
Initial Release C-141			
Application Details			
Incident ID:	nAPP2434746334		
District:	Artesia		
County:	Eddy		
Legal Description:	Unit:G	Section:25	Township:24S Range:30E
Lat/Long:	N:32.18991		E:-103.83168
Prerequisites			
Incident Operator:	XTO Energy, Inc.		
Release Type:	Crude Oil		
Incident Status:	Pending NMOCD approval.		
Release Information			
Site Name:	Poker Lake Unit Meter 089 Battery		
Date Discovered:	12/11/2024		
Surface Owner:	Federal		
Incident Details			
Incident Type:	Oil Release		
Fire:	No		
Injuries:	No		
Watercourse:	No		
Public Health:	No		
Significant to Property or Environment:	No		
Detrimental to Freshwater:	No		
Nature and Volume of Release			
Released Product:	Crude Oil		
Cause:	Equipment Failure		
Source:	Other (Specify)		
Release:	27	(bbls/Mcf)	
Recovered:	15	(bbls/Mcf)	
Additional Details:			
Nature and Volume of Release			
Is this a gas submission	No		
was this a major release (Y/N) >25bbls	Yes		
Justification of release volume calculation	Yes <i>Release Volume Calculation Attached Below</i>		
Initial Response			
Release has been stopped	Yes		
release area has been secured:	Yes		
released material has been contained	Yes		
All free liquids have been recovered	Yes		
If actions have not been completed, why?	<i>(Attached Explanation)</i>		
Remediation Action Plan C-141			
Site Characterization			
what is groundwater beneath effected area?	100ft - 500ft		
What method was used to determine depth?	NM OSE iWaters Database Search		
Did release impact GW or Surface Water?	No		
continuously flowing watercourse	between 1 to 5 (mi.)		
lakebed, sinkhole, or playa (measured from the high-water mark)	greater than 5 (mi.)		
an occupied permanent residence	greater than 5 (mi.)		
spring or private domestic well	greater than 5 (mi.)		
Incorporated municipal boundaries	greater than 5 (mi.)		
wetland	between 1 to 5 (mi.)		
subsurface mine	greater than 5 (mi.)		
a (non-karst) unstable area	greater than 5 (mi.)		
categorize the risk of this well / site being in a karst geology	Low		
a 100-year floodplain	between 1 to 5 (mi.)		
did the release impact areas not on an exploration, development, production, or storage site	No		

Remediation Plan		
Have lateral and vertical extents of impacts been delineated, to the strictest standards?	Yes	
Was the release entirely contained within a lined containment?	No	
Soil Contamination Sampling (provide the highest observed value for each)(0.1)		
	Chloride	3,280 (mg/kg)
	Total TPH	10,068 (mg/kg)
	GRO+DRO	7,468 (mg/kg)
	BTEX	21.1 (mg/kg)
	Benzene	1.95 (mg/kg)
Date of Remediation Commencement	1/7/2025	
Date of Final Sampling or Liner Inspection	2/6/2025	
Date of Remediation Completion	2/11/2025	
Estimated Surface Area (sq.ft) to be reclaimed	N/A	
Estimated Volume (cu. Yds) to be reclaimed	N/A	
Estimated Surface Area (sq.ft) to be remediated	3,145	(Square Feet)
Estimated Volume (cu. Yds) to be remediated	72	(Cubic Yards)
Excavation and off-site disposal (dig & haul)	Yes	(Ex-Situ)
Excavation and on-site remediation (land farm)	No	(Ex-Situ)
Soil Vapor Extraction	No	(In-Situ)
Chemical processing (soil shredding...etc)	No	(In-Situ)
Biological processing (microbes / fertilizer...etc)	No	(In-Situ)
Physical processing (soil washing, gypsum...etc)	No	(In-Situ)
Ground Water Abatement	No	
Other (Non-listed remedial process)	No	
Closure/Deferral Request C-141		
Deferral Request (attachment with explanation)	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	
Total Surface Area (sq.ft) to be remediated	3,145	(Square Feet)
Total Volume (cu. Yds) to be remediated	72	(Cubic Yards)
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	No	
Estimated Surface Area (sq.ft) to be reclaimed	0	(Square Feet)
Estimated Volume (cu. Yds) to be reclaimed	0	(Cubic Yards)
Attached Summary of additional remediation Activities	No	
Requesting approval of Reclamation Completion	No	

Closure Documentation
PLU Meter #089 Battery | Eddy County, New Mexico
October 10, 2025 | Terracon Project No. AR24297



APPENDIX D – WELL INFORMATION



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

2020 OCT 29 PM 1:03
 STATE ENGINEER'S OFFICE
 1000 W. UNIVERSITY AVENUE
 ALBUQUERQUE, NM 87102

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4478		
	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 32°	MINUTES 11'	SECONDS 22.57"	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LATITUDE		N	* DATUM REQUIRED: WGS 84		
	LONGITUDE	-103°	49'	56.14"	W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SE NE Sec. 25 T24S R30E							

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 10/07/2020	DRILLING ENDED 10/07/2020	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	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 checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		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)	SLOT SIZE (inches)
	FROM	TO						
	0	110	±8.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO. 0-4478	POD NO. 1	TRN NO. 678382			
LOCATION 24S-30E-25 23-3	WELL TAG ID NO. NA	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	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	3	3	Sand, fine-grained, poorly-graded, Red-Brown	Y <input checked="" type="checkbox"/> N	
	3	5	2	Gravel, 20-30 mil, well graded, little clay	Y <input checked="" type="checkbox"/> N	
	5	13	8	Caliche with some gravel (5-20 mil.) Tan/ Brown	Y <input checked="" type="checkbox"/> N	
	13	24	9	Sand, fine-grained, well-graded some silt, Tan/ Red	Y <input checked="" type="checkbox"/> N	
	24	34	10	Sand, Medium-grained, well-graded some silt, Tan/ Red	Y <input checked="" type="checkbox"/> N	
	34	44	10	Sand, Large-grained, well-graded some silt, Dark Brown	Y <input checked="" type="checkbox"/> N	
	44	110	66	Sand, fine-grained, well-graded, some clay, moist, caliche fragments Red/Brown	Y <input checked="" type="checkbox"/> N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					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:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						

5. TEST; RIG SUPERVISION	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 LTE on-site geologist.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge	

6. SIGNATURE	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 10/26/2020

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO. C-4478	POD NO. 1	TRN NO. 678382	
LOCATION 24S-30E-25	2-3-3	WELL TAG ID NO. NA	PAGE 2 OF 2






2020-10-26_C-4478POD1_OSE_Well Record and Log-89-forsign

Final Audit Report

2020-10-27

Created:	2020-10-27
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAESGKFRG9AU3NcytvOCSRntC1Y-zTs43Y

"2020-10-26_C-4478POD1_OSE_Well Record and Log-89-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2020-10-27 - 3:14:03 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2020-10-27 - 3:14:17 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2020-10-27 - 3:21:12 PM GMT- IP address: 74.50.153.115
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2020-10-27 - 3:22:09 PM GMT - Time Source: server- IP address: 74.50.153.115
-  Agreement completed.
2020-10-27 - 3:22:09 PM GMT

2020 OCT 29 PM 1:08
 OFFICE OF THE ATTORNEY GENERAL
 1000 PENNSYLVANIA AVENUE
 HARRISBURG, PA 17103



Closure Documentation
PLU Meter #089 Battery | Eddy County, New Mexico
October 10, 2025 | Terracon Project No. AR24297



APPENDIX E – PHOTOGRAPHIC LOG



Photo Log



Project site ID sign



Photo of the initial visit following the release



Photo Log



Photo of the initial visit following the release



Photo of the initial visit following the release



Photo Log

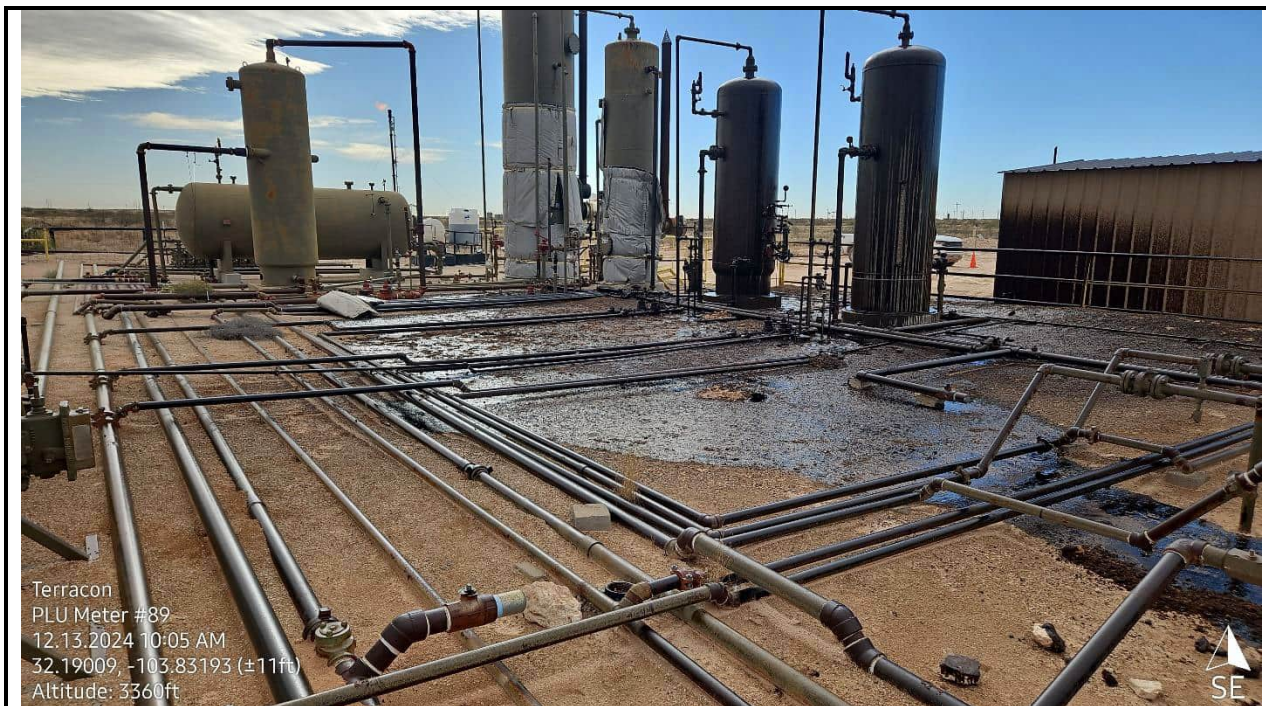


Photo of the initial visit following the release



Photo of the initial visit following the release



Photo Log



Photo of the initial visit following the release



Photo of the initial round of remediation efforts



Photo Log



Photo of the initial round of remediation efforts



Photo of the initial round of remediation efforts



Photo Log



Photo of the initial round of remediation efforts

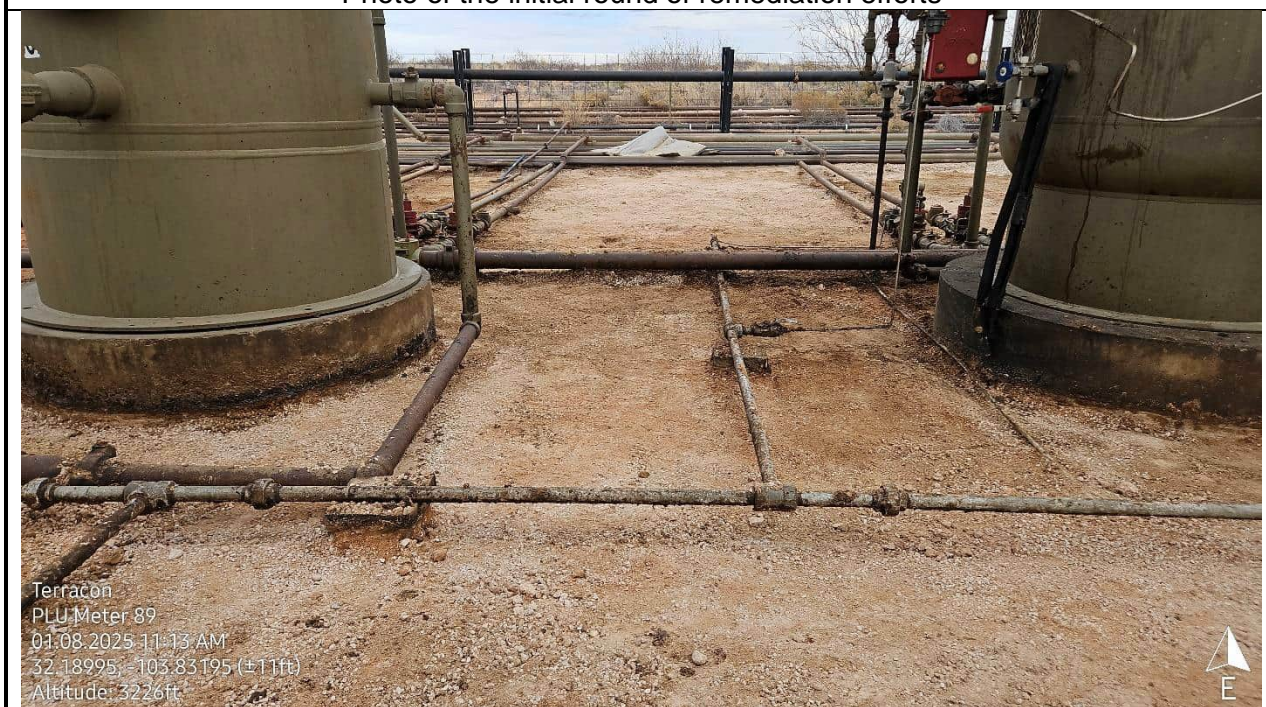


Photo of the initial round of remediation efforts



Photo Log



Photo of the initial round of remediation efforts



Photo of the initial round of remediation efforts



Photo Log



Photo of the additional remediation efforts



Photo of the additional remediation efforts



Photo Log



Terracon
PLU 089
01.22.2025 02:13 PM
32.19004, -103.83192
Unnamed Road, Loving, NM 88256

Photo of the additional remediation efforts



Terracon
PLU 089
01.22.2025 02:13 PM
32.19002, -103.8319
Unnamed Road, Loving, NM 88256

Photo of the additional remediation efforts



Photo Log



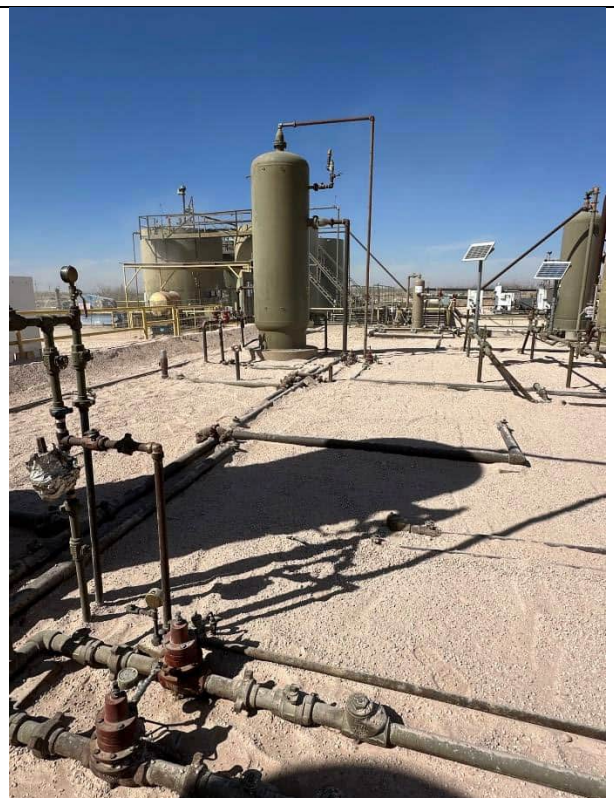
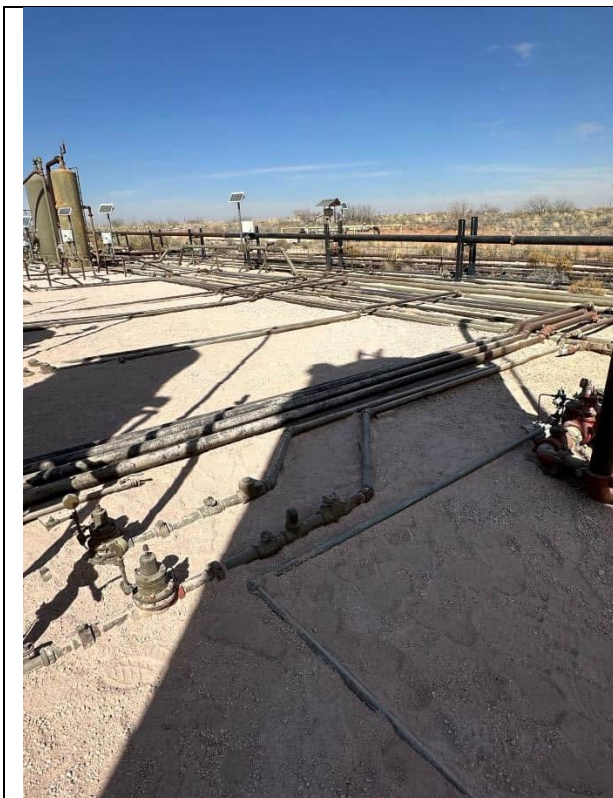
Photo of the additional remediation efforts



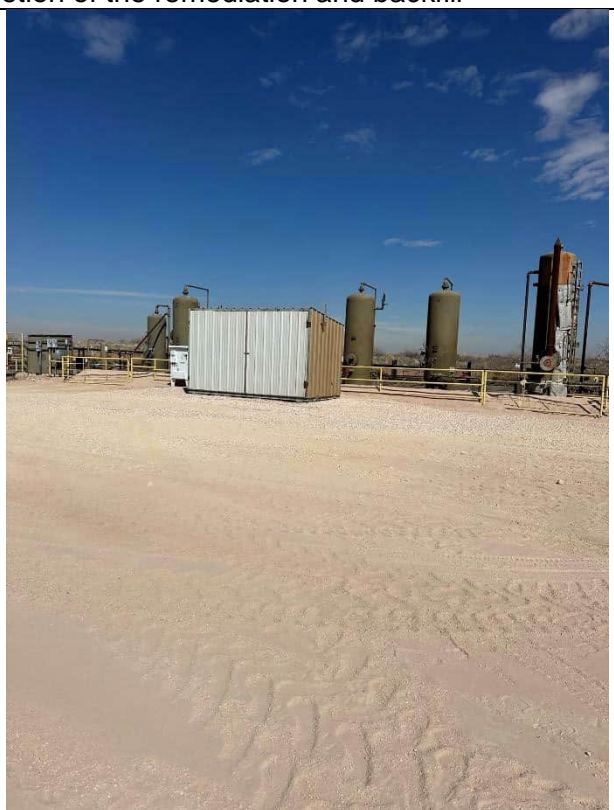
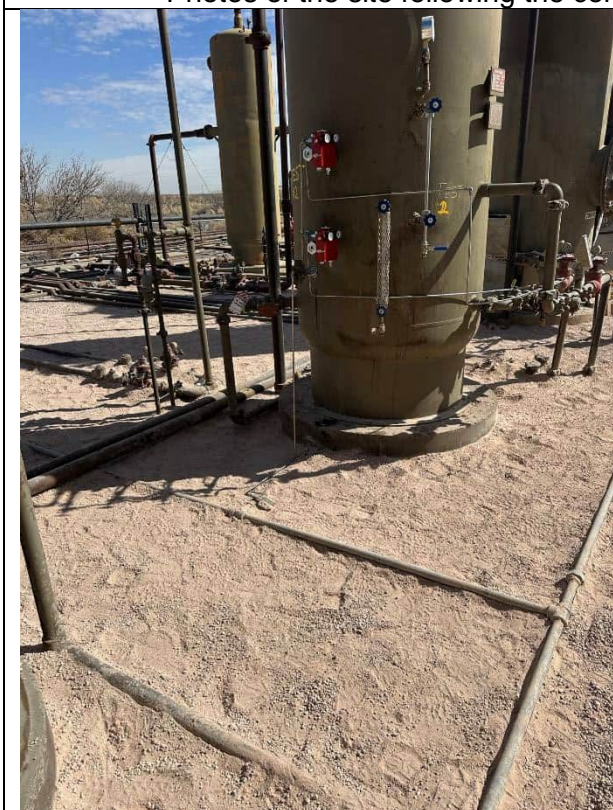
Photos of the site following the completion of the remediation and backfill



Photo Log



Photos of the site following the completion of the remediation and backfill



Photos of the site following the completion of the remediation and backfill

Closure Documentation
PLU Meter #089 Battery | Eddy County, New Mexico
October 10, 2025 | Terracon Project No. AR24297



APPENDIX F – ANALYTICAL REPORT AND CHAIN OF CUSTODY



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

December 30, 2024

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 12/20/24 16:08.

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

Cardinal Laboratories is 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,

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



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DSH - 01 0.5' (H247741-01)

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	12/26/2024	ND	1.90	95.2	2.00	0.148	
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	12/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	208	104	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DSH - 01 2.5' (H247741-02)

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	12/26/2024	ND	1.90	95.2	2.00	0.148		
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04		
Total BTEX	<0.300	0.300	12/26/2024	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	16.0	16.0	12/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	208	104	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DSH - 02 0.5' (H247741-03)

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	12/26/2024	ND	1.90	95.2	2.00	0.148	
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04	
Total BTEX	<0.300	0.300	12/26/2024	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	144	16.0	12/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254	
DRO >C10-C28*	38.4	10.0	12/26/2024	ND	208	104	200	2.88	
EXT DRO >C28-C36	29.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DSH - 02 2.5' (H247741-04)

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	12/26/2024	ND	1.90	95.2	2.00	0.148		
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	12/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	208	104	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DSH - 03 0.5' (H247741-05)

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	12/26/2024	ND	1.90	95.2	2.00	0.148		
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	12/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	208	104	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DSH - 03 2.5' (H247741-06)

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	12/26/2024	ND	1.90	95.2	2.00	0.148		
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	12/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	208	104	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DSH - 04 0.5' (H247741-07)

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	12/26/2024	ND	1.90	95.2	2.00	0.148		
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	12/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	208	104	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DSH - 04 2.5' (H247741-08)

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	12/26/2024	ND	1.90	95.2	2.00	0.148		
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04		
Total BTEX	<0.300	0.300	12/26/2024	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	12/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	208	104	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DS - V - 01 0.5' (H247741-09)

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	12/26/2024	ND	1.90	95.2	2.00	0.148	
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1920	16.0	12/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254	
DRO >C10-C28*	600	10.0	12/26/2024	ND	208	104	200	2.88	
EXT DRO >C28-C36	383	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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*=Accredited Analyte

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



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 12/20/2024
 Reported: 12/30/2024
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 12/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS - V - 01 2.5' (H247741-10)

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	12/26/2024	ND	1.90	95.2	2.00	0.148	
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04	
Total BTEX	<0.300	0.300	12/26/2024	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	144	16.0	12/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	214	107	200	0.254	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	208	104	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DS - V - 02 2.5' (H247741-11)

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	12/26/2024	ND	1.90	95.2	2.00	0.148	
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	12/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	214	107	200	0.254	
DRO >C10-C28*	11.5	10.0	12/27/2024	ND	208	104	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	12/20/2024	Sampling Date:	12/19/2024
Reported:	12/30/2024	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: DS - V - 02 5.0' (H247741-12)

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	12/26/2024	ND	1.90	95.2	2.00	0.148	
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04	
Total BTEX	<0.300	0.300	12/26/2024	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	96.0	16.0	12/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.9	200	0.766	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	186	93.2	200	0.654	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 12/20/2024
 Reported: 12/30/2024
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 12/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS - V - 03 2.5' (H247741-13)

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	12/26/2024	ND	1.90	95.2	2.00	0.148	
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04	
Total BTEX	<0.300	0.300	12/26/2024	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	160	16.0	12/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.9	200	0.766	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	186	93.2	200	0.654	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 12/20/2024
 Reported: 12/30/2024
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 12/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DS - V - 03 5.0' (H247741-14)

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	12/26/2024	ND	1.90	95.2	2.00	0.148	
Toluene*	<0.050	0.050	12/26/2024	ND	1.85	92.7	2.00	6.13	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.93	96.5	2.00	3.26	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.83	97.1	6.00	2.04	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	12/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.9	200	0.766	
DRO >C10-C28*	21.2	10.0	12/26/2024	ND	186	93.2	200	0.654	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For 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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Mike Snyder For 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

BILL TO:

ANALYSIS REQUEST

Company Name: Terracon	Project Manager: Austin Worley	State: NM	P.O. #: XTO Energy
Address: 4526 W. Pierce Street	City: Carlsbad	ZIP: 88220	Company: Colton Brown
Phone #: 915-262-9701	Fax #: AR247297	Project Owner: XTO Energy Inc.	Address: 3104 E Greene St.
Project Name: PLU Meter #89	Project Location: Eddy	State: NM, 88220	City: Carlsbad
Sampler Name: Gus Sanchez	FOR LAB USE ONLY	Phone #:	Fax #:

Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 80218)	Hold
		Start	End			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL						
H847741	DSH-01	0.5	0.5	G	1									12/19/2024	12:41				
	DSH-01	2.5	2.5	G	1									12/19/2024	12:45				
	DSH-02	0.5	0.5	G	1									12/19/2024	10:23				
	DSH-02	2.5	2.5	G	1									12/19/2024	10:26				
	DSH-03	0.5	0.5	G	1									12/19/2024	10:33				
	DSH-03	2.5	2.5	G	1									12/19/2024	10:36				
	DSH-04	0.5	0.5	G	1									12/19/2024	10:47				
	DSH-04	2.5	2.5	G	1									12/19/2024	10:50				

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Relinquished By:

Received By:

Verbal Result: Yes No Add'l Phone #:

Date: 12-20-24

Received By: *Stoelkequest*

All Results are emailed. Please provide Email address:
Joseph.guesnier@terracon.com; Travis.cassey@terracon.com;
chuck.smith@terracon.com;beckysue.miller@terracon.com
gus.sanchez@terracon.com austin.worley@terracon.com
REMARKS: Coat Code: 1080791001

Relinquished By:

Received By:

Verbal Result: Yes No Add'l Phone #:

Date:

Received By:

Verbal Result: Yes No Add'l Phone #:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 5.8 Corrected Temp. °C: 5.2	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>SR</i>	Turnaround Time: Standard #140 Rush Thermometer ID #149 - 0.0 Correction Factor: 0.3°C	Bacteria (only) Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C
--	---	--	-------------------------------------	--	--

FORM-008 R 3.2 10/07/21

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

pg 1 of 2



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO:

ANALYSIS REQUEST

Company Name: Terracon	Project Manager: Austin Worley	State: NM	P.O. #: XTO Energy
Address: 4526 W. Pierce Street	City: Carlsbad	Zip: 88220	Attn: Colton Brown
Phone #: 915-262-9701	Project #: AR247297	Project Owner: XTO Energy Inc	Address: 3104 E Greene St.
Project Location: PLU Meter #89	Sampler Name: Gus Sanchez	Phone #: NM, 88220	City: Carlsbad
		Fax #: NM, 88220	State: NM, 88220

Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)	Hold
		Start	End			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						
H247741	DS-V-01	0.5	0.5	G	1	•	•	•	•	•	•	•	•	•	•	•	•	•
	DS-V-01	2.5	2.5	G	1	•	•	•	•	•	•	•	•	•	•	•	•	•
	DS-V-02	2.5	2.5	G	1	•	•	•	•	•	•	•	•	•	•	•	•	•
	DS-V-02	5.0	5.0	G	1	•	•	•	•	•	•	•	•	•	•	•	•	•
	DS-V-03	2.5	2.5	G	1	•	•	•	•	•	•	•	•	•	•	•	•	•
	DS-V-03	5.0	5.0	G	1	•	•	•	•	•	•	•	•	•	•	•	•	•

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Relinquished By: <i>[Signature]</i>	Date: 12-20-24	Received By: <i>[Signature]</i>	Time: 1:08
Time: 5:22	Observed Temp. 5.8°C	Corrected Temp. 5.2°C	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Checked By: <i>[Signature]</i>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Observed Temp. <input type="checkbox"/> Corrected Temp. <input type="checkbox"/>	Thermometer ID: #140

REMARKS: Cost Code: 1080791001
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 joseph.guenther@terracon.com; trevis.casby@terracon.com;
 chuck.smith@terracon.com; becky.yue.miller@terracon.com;
 rus.sanchez@terracon.com; austin.worley@terracon.com



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

January 16, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 01/10/25 12:13.

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

Cardinal Laboratories is 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



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-01 0.25 (H250108-01)

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	01/13/2025	ND	1.80	90.1	2.00	1.38		
Toluene*	0.052	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79		
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520		
Total BTEX	<0.300	0.300	01/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	960	16.0	01/10/2025	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	01/10/2025	ND	196	98.0	200	6.68		
DRO >C10-C28*	259	10.0	01/10/2025	ND	182	91.0	200	8.47		
EXT DRO >C28-C36	53.5	10.0	01/10/2025	ND						

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/10/2025	Sampling Date:	01/08/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: CSF-02 0.25 (H250108-02)

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	01/13/2025	ND	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
Total BTEX	<0.300	0.300	01/13/2025	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	1250	16.0	01/10/2025	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	01/10/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	407	10.0	01/10/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	129	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-03 0.25 (H250108-03)

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	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
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	1230	16.0	01/10/2025	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	01/10/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	495	10.0	01/10/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	127	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-04 0.25 (H250108-04)

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	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
Total BTEX	<0.300	0.300	01/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	976	16.0	01/10/2025	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*	30.0	10.0	01/10/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	1280	10.0	01/10/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	266	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-05 0.25 (H250108-05)

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	01/13/2025	ND	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
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: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	01/10/2025	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	01/10/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	687	10.0	01/10/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	244	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/10/2025	Sampling Date:	01/08/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: CSF-06 0.25 (H250108-06)

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	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
Total BTEX	<0.300	0.300	01/13/2025	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	2760	16.0	01/10/2025	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	01/10/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	238	10.0	01/10/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	52.6	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-07 0.25 (H250108-07)

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	01/13/2025	ND	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
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: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	01/10/2025	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	01/10/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	<10.0	10.0	01/10/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	<10.0	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/10/2025	Sampling Date:	01/08/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: CSF-08 0.25 (H250108-08)

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	1.80	90.1	2.00	1.38	
Toluene*	0.201	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1
Ethylbenzene*	0.378	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1
Total Xylenes*	1.43	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1
Total BTEX	2.01	0.300	01/13/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	1960	16.0	01/10/2025	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*	44.4	10.0	01/10/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	2630	10.0	01/10/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	787	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-09 0.25 (H250108-09)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.484	0.050	01/13/2025	ND	1.80	90.1	2.00	1.38	GC-NC1	
Toluene*	1.62	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1	
Ethylbenzene*	2.03	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1	
Total Xylenes*	7.49	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1	
Total BTEX	11.6	0.300	01/13/2025	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 215 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	01/10/2025	ND	432	108	400	3.77		

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*	558	10.0	01/10/2025	ND	196	98.0	200	6.68		
DRO >C10-C28*	3610	10.0	01/10/2025	ND	182	91.0	200	8.47		
EXT DRO >C28-C36	876	10.0	01/10/2025	ND						

Surrogate: 1-Chlorooctane 187 % 48.2-134

Surrogate: 1-Chlorooctadecane 164 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-10 0.25 (H250108-10)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.250	0.050	01/13/2025	ND	1.80	90.1	2.00	1.38	GC-NC1	
Toluene*	1.24	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1	
Ethylbenzene*	1.72	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1	
Total Xylenes*	6.29	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1	
Total BTEX	9.50	0.300	01/13/2025	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 180 % 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	640	16.0	01/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	418	100	01/11/2025	ND	196	98.0	200	6.68		
DRO >C10-C28*	7050	100	01/11/2025	ND	182	91.0	200	8.47		
EXT DRO >C28-C36	2600	100	01/11/2025	ND						

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 211 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-11 0.25 (H250108-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.077	0.050	01/13/2025	ND	1.80	90.1	2.00	1.38	GC-NC1	
Toluene*	0.383	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1	
Ethylbenzene*	0.343	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1	
Total Xylenes*	0.942	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1	
Total BTEX	1.75	0.300	01/13/2025	ND					GC-NC1	

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	640	16.0	01/10/2025	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*	28.1	10.0	01/10/2025	ND	196	98.0	200	6.68		
DRO >C10-C28*	645	10.0	01/10/2025	ND	182	91.0	200	8.47		
EXT DRO >C28-C36	258	10.0	01/10/2025	ND						

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/10/2025	Sampling Date:	01/08/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - EDDY CO NM		

Sample ID: CSF-12 0.25 (H250108-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.294	0.050	01/13/2025	ND	1.80	90.1	2.00	1.38	GC-NC1	
Toluene*	0.549	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1	
Ethylbenzene*	0.409	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1	
Total Xylenes*	0.840	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1	
Total BTEX	2.09	0.300	01/13/2025	ND					GC-NC1	

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	1340	16.0	01/10/2025	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*	51.7	10.0	01/10/2025	ND	196	98.0	200	6.68		
DRO >C10-C28*	849	10.0	01/10/2025	ND	182	91.0	200	8.47		
EXT DRO >C28-C36	279	10.0	01/10/2025	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
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 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-13 0.25 (H250108-13)

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	01/13/2025	ND	1.80	90.1	2.00	1.38	
Toluene*	0.059	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1
Ethylbenzene*	0.098	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1
Total Xylenes*	0.419	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1
Total BTEX	0.576	0.300	01/13/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	2920	16.0	01/10/2025	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*	51.4	10.0	01/11/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	1500	10.0	01/11/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	315	10.0	01/11/2025	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-14 0.25 (H250108-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.95	0.050	01/13/2025	ND	1.80	90.1	2.00	1.38	GC-NC1	
Toluene*	5.54	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1	
Ethylbenzene*	3.46	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1	
Total Xylenes*	10.1	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1	
Total BTEX	21.1	0.300	01/13/2025	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	816	16.0	01/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	653	100	01/11/2025	ND	196	98.0	200	6.68			
DRO >C10-C28*	4780	100	01/11/2025	ND	182	91.0	200	8.47			
EXT DRO >C28-C36	2100	100	01/11/2025	ND							

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 190 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-15 0.25 (H250108-15)

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	01/13/2025	ND	1.80	90.1	2.00	1.38	
Toluene*	0.154	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1
Ethylbenzene*	0.113	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1
Total Xylenes*	0.350	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1
Total BTEX	0.616	0.300	01/13/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1300	16.0	01/10/2025	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*	18.3	10.0	01/11/2025	ND	196	98.0	200	6.68	
DRO >C10-C28*	1060	10.0	01/11/2025	ND	182	91.0	200	8.47	
EXT DRO >C28-C36	186	10.0	01/11/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSF-16 0.25 (H250108-16)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.211	0.050	01/13/2025	ND	1.80	90.1	2.00	1.38	GC-NC1	
Toluene*	1.09	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	GC-NC1	
Ethylbenzene*	1.06	0.050	01/13/2025	ND	2.13	106	2.00	1.79	GC-NC1	
Total Xylenes*	3.53	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	GC-NC1	
Total BTEX	5.88	0.300	01/13/2025	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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	01/10/2025	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*	190	10.0	01/10/2025	ND	218	109	200	7.51		
DRO >C10-C28*	4320	10.0	01/10/2025	ND	197	98.7	200	7.11	QM-07, QR-03	
EXT DRO >C28-C36	1740	10.0	01/10/2025	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW-N 0-0.25 (H250108-17)

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	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
Total BTEX	<0.300	0.300	01/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1860	16.0	01/10/2025	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	01/10/2025	ND	218	109	200	7.51	
DRO >C10-C28*	393	10.0	01/10/2025	ND	197	98.7	200	7.11	
EXT DRO >C28-C36	165	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW-S 0-0.25 (H250108-18)

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	01/13/2025	ND	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
Total BTEX	<0.300	0.300	01/13/2025	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	1250	16.0	01/10/2025	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	01/10/2025	ND	218	109	200	7.51	
DRO >C10-C28*	646	10.0	01/10/2025	ND	197	98.7	200	7.11	
EXT DRO >C28-C36	205	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW-W 0-0.25 (H250108-19)

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	1.80	90.1	2.00	1.38		
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95		
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79		
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520		
Total BTEX	<0.300	0.300	01/13/2025	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	1550	16.0	01/10/2025	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	01/10/2025	ND	218	109	200	7.51		
DRO >C10-C28*	419	10.0	01/10/2025	ND	197	98.7	200	7.11		
EXT DRO >C28-C36	132	10.0	01/10/2025	ND						

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/10/2025
 Reported: 01/16/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW-E 0-0.25 (H250108-20)

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	01/13/2025	ND	1.80	90.1	2.00	1.38	
Toluene*	<0.050	0.050	01/13/2025	ND	1.98	99.1	2.00	2.95	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	2.13	106	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	6.31	105	6.00	0.00520	
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: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	01/10/2025	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	01/10/2025	ND	218	109	200	7.51	
DRO >C10-C28*	500	10.0	01/10/2025	ND	197	98.7	200	7.11	
EXT DRO >C28-C36	167	10.0	01/10/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 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

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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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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: Terracon Project Manager: Austin Worley Address: 4526 W. Pierce Street City: Carlsbad Phone #: 915-262-9701 Project #: AR247297 Project Name: PLU Meter #89 Project Location: Eddy Sampler Name: Gus Sanchez		State: NM Zip: 88220 Fax #: Project Owner: XTO Energy Inc. State: NM, 88220		P.O. #: Company: XTO Energy Attn: Colton Brown Address: 3104 E Greene St. City: Carlsbad State: NM, 88220 Phone #: Fax #:		BILL TO: ANALYSIS REQUEST																																																																																																																																																																																																																											
<p>FOR LAB USE ONLY</p> <table border="1"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th colspan="2">Depth</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th rowspan="2">ACID/BASE:</th> <th rowspan="2">ICE / COOL</th> <th rowspan="2">OTHER :</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> <th rowspan="2">Chloride (EPA Method 4500)</th> <th rowspan="2">TPH Extended 8015</th> <th rowspan="2">BTEX (EPA Method 8021B)</th> <th rowspan="2">Hold</th> </tr> <tr> <th>Start</th> <th>End</th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER :</th> </tr> </thead> <tbody> <tr> <td>HA50108</td> <td></td> <td>0.25</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:12</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>13</td> <td></td> <td>0.25</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:15</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>14</td> <td></td> <td>0.25</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:16</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>15</td> <td></td> <td>0.25</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:17</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>16</td> <td></td> <td>0.25</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:20</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>17</td> <td></td> <td>0.00</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:22</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>18</td> <td></td> <td>0.00</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:25</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>19</td> <td></td> <td>0.00</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:27</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>20</td> <td></td> <td>0.00</td> <td>0.25</td> <td>C 1</td> <td>1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>1/8/2025</td> <td>14:27</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> </tbody> </table>								Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)	Hold	Start	End	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	HA50108		0.25	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:12	•	•	•	•	13		0.25	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:15	•	•	•	•	14		0.25	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:16	•	•	•	•	15		0.25	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:17	•	•	•	•	16		0.25	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:20	•	•	•	•	17		0.00	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:22	•	•	•	•	18		0.00	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:25	•	•	•	•	19		0.00	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:27	•	•	•	•	20		0.00	0.25	C 1	1	•	•	•	•	•	•	•	•	•	1/8/2025	14:27	•	•	•	•
Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX								ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride (EPA Method 4500)										TPH Extended 8015	BTEX (EPA Method 8021B)	Hold																																																																																																																																																																																																		
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Relinquished By: [Signature] Date: 1-10-25 Time: 12:41:00		Received By: [Signature] Date: 1-10-25 Time: 12:41:00		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:		All Results are emailed. Please provide Email address: joseph.guester@terracon.com; travis.casler@terracon.com; chuck.smith@terracon.com; becky.sue.miller@terracon.com gus.sanchez@terracon.com; austin.worley@terracon.com																																																																																																																																																																																																																											
Delivered By: (Circle One) - UPS <input type="checkbox"/> - Bus <input type="checkbox"/> - Other: <input checked="" type="checkbox"/>		Observed Temp. °C: 4.4°C Corrected Temp. °C: 3.8°C		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition <input type="checkbox"/> #140 Rush <input type="checkbox"/> Cool <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> -0:00: Yes <input type="checkbox"/> Corrected Temp. °C <input type="checkbox"/>																																																																																																																																																																																																																											

FORM-006 R.3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celsy.ksene@cardinalabnm.com



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

January 29, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 01/23/25 14:33.

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

Cardinal Laboratories is 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSF-10 1' (H250422-01)

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	01/27/2025	ND	1.94	96.9	2.00	0.220	
Toluene*	<0.050	0.050	01/27/2025	ND	1.99	99.5	2.00	0.494	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.88	93.8	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.67	94.4	6.00	1.98	
Total BTEX	<0.300	0.300	01/27/2025	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	48.0	16.0	01/27/2025	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	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	<10.0	10.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 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

- 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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Celey D. Keene, Lab Director/Quality Manager



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January 29, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 01/23/25 14:33.

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

Cardinal Laboratories is 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSW - 05 0-1' (H250423-01)

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	01/27/2025	ND	1.94	96.9	2.00	0.220	
Toluene*	<0.050	0.050	01/27/2025	ND	1.99	99.5	2.00	0.494	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.88	93.8	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.67	94.4	6.00	1.98	
Total BTEX	<0.300	0.300	01/27/2025	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	<16.0	16.0	01/27/2025	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	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	193	10.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	55.8	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSW - 06 0-1' (H250423-02)

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	01/27/2025	ND	1.94	96.9	2.00	0.220	
Toluene*	<0.050	0.050	01/27/2025	ND	1.99	99.5	2.00	0.494	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.88	93.8	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.67	94.4	6.00	1.98	
Total BTEX	<0.300	0.300	01/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	01/27/2025	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*	<50.0	50.0	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	731	50.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	290	50.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 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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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSW - 07 0-2' (H250423-03)

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	01/27/2025	ND	1.94	96.9	2.00	0.220	
Toluene*	<0.050	0.050	01/27/2025	ND	1.99	99.5	2.00	0.494	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.88	93.8	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.67	94.4	6.00	1.98	
Total BTEX	<0.300	0.300	01/27/2025	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	240	16.0	01/27/2025	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*	<50.0	50.0	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	4140	50.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	1660	50.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSW - 08 0-1' (H250423-04)

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	01/27/2025	ND	1.94	96.9	2.00	0.220	
Toluene*	<0.050	0.050	01/27/2025	ND	1.99	99.5	2.00	0.494	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.88	93.8	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.67	94.4	6.00	1.98	
Total BTEX	<0.300	0.300	01/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	01/27/2025	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	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	<10.0	10.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 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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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: Terracon		BILL TO:		P.O. #:		ANALYS REQUEST	
Project Manager: Austin Worley		Company: XTO Energy		Address:			
Address: 4526 W. Pierce Street		Attn: Colton Brown		3104 E Green St.			
City: Carlsbad		State: NM		Zip: 88220			
Phone #: 5756898949		Fax #:		City: Carlsbad			
Project #: AR247297		Project Owner: XTO Energy		State: NM, 88220			
Project Name: Poker Lake Unit Meter 089		Phone #:		Fax #:			
Project Location: Eddy		Sample Name: Becky Sue Meadows		FOR LAB USE ONLY			

Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OMF	# CONTAINERS	MATRIX						DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)	Hold	
		Start	End			GROUNDWAT	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							ACID/BASE:
HS0433		0	1	C	1	X							01/23/25	10:01	X	X	X	
		0	1	C	1	X							01/23/25	10:02	X	X	X	
		0	2	C	1	X							01/23/25	10:03	X	X	X	
		0	1	C	1	X							01/23/25	10:04	X	X	X	

PLEASE NOTE: Tardy and Overdue. Cardiac and client's exclusions remedy for any claim arising under this contract or bill, shall be limited to the amount paid by the client for the analysis. 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:	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Becky Meadows	1/23/25	ASG	
Time: 1:33	Date:	Received By:	REMARKS: Cost Code: #1080791001
Time:			
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)
UPS	0.71	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ASG
- Bus	Corrected Temp. °C	Other: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	0.12		



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

January 29, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 01/23/25 14:33.

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

Cardinal Laboratories is 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, flowing "C" and "K".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSF-04 0.5' (H250424-01)

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	01/24/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/24/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/24/2025	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	880	16.0	01/27/2025	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	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	699	10.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	306	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 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



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

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

January 29, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 01/23/25 14:33.

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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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSF - 08 1' (H250425-01)

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	01/24/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/24/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	01/27/2025	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*	<50.0	50.0	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	563	50.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	325	50.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 65.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSF - 09 1' (H250425-02)

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	01/24/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/24/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	512	16.0	01/27/2025	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	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	40.6	10.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	10.0	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSF - 13 1' (H250425-03)

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	01/24/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/24/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	01/27/2025	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	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	125	10.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	82.0	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/23/2025	Sampling Date:	01/23/2025
Reported:	01/29/2025	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Alyssa Parras
Project Location:	XTO - EDDY CO NM		

Sample ID: CSF - 14 1' (H250425-04)

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	01/24/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/24/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	688	16.0	01/28/2025	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	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	157	10.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	64.2	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSF - 15 1' (H250425-05)

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	01/24/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/24/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	480	16.0	01/28/2025	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	01/24/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	12.0	10.0	01/24/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	01/24/2025	ND					

Surrogate: 1-Chlorooctane 53.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.9 % 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSF - 16 1' (H250425-06)

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	01/24/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/24/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	01/28/2025	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	01/25/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	162	10.0	01/25/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	116	10.0	01/25/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 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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Celey D. Keene, Lab Director/Quality Manager



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January 29, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 01/23/25 14:33.

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

Cardinal Laboratories is 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/23/2025	Sampling Date:	01/23/2025
Reported:	01/29/2025	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Alyssa Parras
Project Location:	XTO - EDDY CO NM		

Sample ID: CSW - 01 0-1' (H250426-01)

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	01/25/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/25/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/25/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/25/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1360	16.0	01/28/2025	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	01/25/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	<10.0	10.0	01/25/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	01/25/2025	ND					

Surrogate: 1-Chlorooctane 66.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.1 % 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSW - 02 0-1' (H250426-02)

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	01/25/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/25/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/25/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/25/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	01/28/2025	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	01/25/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	531	10.0	01/25/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	297	10.0	01/25/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSW - 03 0-1' (H250426-03)

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	01/25/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/25/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/25/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/25/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	416	16.0	01/28/2025	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	01/25/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	627	10.0	01/25/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	284	10.0	01/25/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 01/23/2025
 Reported: 01/29/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 01/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CSW - 04 0-1' (H250426-04)

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	01/25/2025	ND	2.06	103	2.00	2.94	
Toluene*	<0.050	0.050	01/25/2025	ND	2.13	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	01/25/2025	ND	2.15	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	01/25/2025	ND	6.50	108	6.00	3.23	
Total BTEX	<0.300	0.300	01/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	112	16.0	01/28/2025	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	01/25/2025	ND	192	95.9	200	3.41	
DRO >C10-C28*	56.2	10.0	01/25/2025	ND	195	97.6	200	3.71	
EXT DRO >C28-C36	24.4	10.0	01/25/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 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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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, 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: Terracon		P.O. #:		BILL TO:		ANALYS REQUEST	
Project Manager: Austin Worley		Company: XTO Energy		Address: 3104 E Green St.			
Address: 4526 W. Pierce Street		Attn: Colton Brown		City: Carlsbad			
City: Carlsbad		State: NM		Zip: 88220			
Phone #: 5756895949		Fax #:		Address: 3104 E Green St.			
Project #: AR247297		Project Owner: XTO Energy		City: Carlsbad			
Project Name: Poker Lake Unit Meter 089		State: NM, 88220		Phone #:			
Project Location: Eddy		Fax #:		DATE		TIME	
Sampler Name: Becky Sue Meadows		PRESERV:		DATE		TIME	
FOR LAB USE ONLY		OTHER :		DATE		TIME	

Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)	Hold
		Start	End			GROUNDWAT	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						
18504210		0	1	C	1	X							01/23/25	9:30	X	X	X	
		0	1	C	1	X							01/23/25	9:35	X	X	X	
		0	1	C	1	X							01/23/25	9:37	X	X	X	
		0	1	C	1	X							01/23/25	9:39	X	X	X	

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Relinquished By:	Date:	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Becky Meadows	1-28-25	AP	
Relinquished By:	Time:	Received By:	REMARKS: Cost Code: #1090791001
	1:33	AP	
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS	0.7	Cool <input checked="" type="checkbox"/> Initial <input checked="" type="checkbox"/>	AP
- Bus	Corrected Temp. °C	Yes <input type="checkbox"/> No <input type="checkbox"/>	
- Other:	0.1		

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Observed Temp. °C Corrected Temp. °C

Thermometer ID #113 #114

Correction Factor: -0.6

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



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

February 13, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 02/06/25 16:15.

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

Cardinal Laboratories is 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, flowing "C" and "K".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Alyssa Parras
Project Location:	XTO - EDDY CO NM		

Sample ID: CSW - 05 0-1' (H250749-01)

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	02/10/2025	ND	2.00	100	2.00	2.01	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	107	2.00	2.50	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.24	112	2.00	4.09	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.72	112	6.00	2.39	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	02/10/2025	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	02/10/2025	ND	237	119	200	1.35	QM-07
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 110 % 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	PLU METER #89	Sampling Condition:	Cool & Intact
Project Number:	AR247297	Sample Received By:	Alyssa Parras
Project Location:	XTO - EDDY CO NM		

Sample ID: CSW - 06 0-1' (H250749-02)

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	02/10/2025	ND	2.00	100	2.00	2.01		
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	107	2.00	2.50		
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.24	112	2.00	4.09		
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.72	112	6.00	2.39		
Total BTEX	<0.300	0.300	02/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	02/10/2025	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	02/10/2025	ND	237	119	200	1.35		
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	214	107	200	1.70		
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND						

Surrogate: 1-Chlorooctane 113 % 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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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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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: Terracon Project Manager: Austin Worley Address: 4526 W. Perico Street City: Carlsbad State: NM Zip: 88220 Phone #: 5756895949 FAX #: _____ Project #: AR247297 Project Owner: XTO Energy Project Name: PLU Meter 089 Project Location: Rural Eddy County Sampler Name: _____ FOR USE ONLY		BILL TO: P.O. #: _____ Company: XTO Energy Attn: Colton Brown Address: 3104 E Greene St. City: Carlsbad 88220 State: NM Phone #: _____ FAX #: _____		ANALYSIS REQUEST	
Relinquished By: <i>Joseph Guerner</i> Date: <i>2/6/25</i> Time: _____		Received By: <i>APR</i> Date: _____ Time: _____		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	
Delivered By: (Circle One) Sampler - UPS <input type="checkbox"/> - Bus <input type="checkbox"/> - Other: <input type="checkbox"/>		Observed Temp. °C: <i>4.0</i> Corrected Temp. °C: <i>4.3</i>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: _____ Corrected Temp. °C: _____	
Turnaround Time: <i>Standard</i> <input checked="" type="checkbox"/> <i>Rush</i> <input type="checkbox"/> Turnaround Time: _____ Rush <input type="checkbox"/>		REMARKS: <i>APR 2/6/25 #140</i> Turnaround Time: <i>Standard</i> <input checked="" type="checkbox"/> <i>Rush</i> <input type="checkbox"/> Turnaround Time: _____ Rush <input type="checkbox"/>		Turnaround Time: _____ Rush <input type="checkbox"/>	

Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
<i>AP 2-7-25</i> <i>H250749</i>	CSW-05	0-1'	C 1	X	X	X					X	2/6/2025	11:00 AM	X	X	X
	CSW-06	0-1'	C 1	X	X	X					X	2/6/2025	11:15 AM	X	X	X

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March 14, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 02/06/25 16:15.

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

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

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

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

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2 Total Haloacetic Acids (HAA-5)

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 14-Mar-25 14:46
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CSW - 06 0-1.5'	H250749-01	Soil	06-Feb-25 11:00	06-Feb-25 16:15
CSW - 07 0-2.5'	H250749-02	Soil	06-Feb-25 11:15	06-Feb-25 16:15

03/14/25 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 02/13/25.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 14-Mar-25 14:46
--	---	------------------------------

**CSW - 06 0-1.5'
H250749-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5021029	AC	10-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020732	JH	10-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020732	JH	10-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020732	JH	10-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020732	JH	10-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020732	JH	10-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %	71.5-134		5020732	JH	10-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020720	MS	10-Feb-25	8015B	QM-07
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020720	MS	10-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020720	MS	10-Feb-25	8015B	

Surrogate: 1-Chlorooctane			110 %	48.2-134		5020720	MS	10-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	49.1-148		5020720	MS	10-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 14-Mar-25 14:46
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**CSW - 07 0-2.5'
H250749-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5021029	AC	10-Feb-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020732	JH	10-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020732	JH	10-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020732	JH	10-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020732	JH	10-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020732	JH	10-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		5020732	JH	10-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020720	MS	10-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020720	MS	10-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020720	MS	10-Feb-25	8015B	

Surrogate: 1-Chlorooctane			113 %	48.2-134		5020720	MS	10-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		5020720	MS	10-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 14-Mar-25 14:46
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5021029 - 1:4 DI Water										
Blank (5021029-BLK1)										
Prepared & Analyzed: 10-Feb-25										
Chloride	ND	16.0	mg/kg							
LCS (5021029-BS1)										
Prepared & Analyzed: 10-Feb-25										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5021029-BSD1)										
Prepared & Analyzed: 10-Feb-25										
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Analytical Results For:

TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424

Project: PLU METER #89
Project Number: AR247297
Project Manager: AUSTIN WORLEY
Fax To:

Reported:
14-Mar-25 14:46

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5020732 - Volatiles**Blank (5020732-BLK1)**

Prepared: 07-Feb-25 Analyzed: 10-Feb-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0590		mg/kg	0.0500		118	71.5-134			

LCS (5020732-BS1)

Prepared: 07-Feb-25 Analyzed: 10-Feb-25

Benzene	2.00	0.050	mg/kg	2.00		100	82.8-130			
Toluene	2.13	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.24	0.050	mg/kg	2.00		112	85.9-128			
m,p-Xylene	4.50	0.100	mg/kg	4.00		113	89-129			
o-Xylene	2.22	0.050	mg/kg	2.00		111	86.1-125			
Total Xylenes	6.72	0.150	mg/kg	6.00		112	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			

LCS Dup (5020732-BSD1)

Prepared: 07-Feb-25 Analyzed: 10-Feb-25

Benzene	2.04	0.050	mg/kg	2.00		102	82.8-130	2.01	15.8	
Toluene	2.08	0.050	mg/kg	2.00		104	86-128	2.50	15.9	
Ethylbenzene	2.15	0.050	mg/kg	2.00		108	85.9-128	4.09	16	
m,p-Xylene	4.37	0.100	mg/kg	4.00		109	89-129	2.87	16.2	
o-Xylene	2.19	0.050	mg/kg	2.00		109	86.1-125	1.44	16.7	
Total Xylenes	6.56	0.150	mg/kg	6.00		109	88.2-128	2.39	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0531		mg/kg	0.0500		106	71.5-134			

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Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 14-Mar-25 14:46
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5020720 - General Prep - Organics

Blank (5020720-BLK1) Prepared: 07-Feb-25 Analyzed: 10-Feb-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.6		mg/kg	50.0		105	48.2-134			
Surrogate: 1-Chlorooctadecane	48.5		mg/kg	50.0		97.0	49.1-148			

LCS (5020720-BS1) Prepared: 07-Feb-25 Analyzed: 10-Feb-25

GRO C6-C10	237	10.0	mg/kg	200		119	81.5-123			
DRO >C10-C28	214	10.0	mg/kg	200		107	77.7-122			
Total TPH C6-C28	452	10.0	mg/kg	400		113	80.9-121			
Surrogate: 1-Chlorooctane	56.2		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	47.3		mg/kg	50.0		94.5	49.1-148			

LCS Dup (5020720-BSD1) Prepared: 07-Feb-25 Analyzed: 10-Feb-25

GRO C6-C10	241	10.0	mg/kg	200		120	81.5-123	1.35	13	
DRO >C10-C28	218	10.0	mg/kg	200		109	77.7-122	1.70	15.6	
Total TPH C6-C28	459	10.0	mg/kg	400		115	80.9-121	1.52	18.5	
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	45.7		mg/kg	50.0		91.4	49.1-148			

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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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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: Terracon		P.O. #:		BILL TO:		ANALYSIS REQUEST	
Project Manager: Austin Worley		Company: XTO Energy					
Address: 4526 W. Perce Street		Attn: Colton Brown					
City: Carlsbad		State: NM Zip: 88220					
Phone #: 5756895949		Address: 3104 E Greene St.					
Project #: AR247297		City: Carlsbad		88220			
Project Name: PLU Meter 089		State: NM					
Project Location: Rural Eddy County		Phone #:					
Sample Name:		FAX #:					
FOR LAB USE ONLY		PRESERV.		SAMPLING			
Lab I.D. <i>AP-2-235</i>		MATRIX		DATE		TIME	
Sample I.D. <i>H250749</i>		GROUNDWATER		2/6/2025		11:00 AM	
Depth <i>1</i>		WASTEWATER		2/6/2025		11:15 AM	
<i>CSW-05.06</i>		SOIL					
<i>2</i>		OIL					
<i>CSW-06.07</i>		SLUDGE					
		OTHER :					
		ACID/BASE:					
		ICE / COOL					
		OTHER :					
		# CONTAINERS					
		CLORIDE (EPA Method 4500)					
		TPH Extended 8015					
		BTX (EPA Method 8021B)					

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Relinquished By: <i>Becky S. Miller</i>	Date: <i>2/6/25</i>	Received By: <i>AP</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:
Time: <i>8:45</i>	Time: <i>11:15</i>	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <i>Standard</i> <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Observed Temp. <i>4.0</i>	Corrected Temp. <i>4.3</i>	Checked By: <i>AP</i>	Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No
Delivered By: <i>UPS</i>	Other: <i>Bus</i>		Observed Temp. <i>4.0</i>
			Corrected Temp. <i>4.3</i>

REMARKS: **Customer Requested ID changes. 2/6/25*
** * * Customer suggests Depth changes. 2/6/25*



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

October 09, 2025

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 10/03/25 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is 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:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/03/2025
 Reported: 10/09/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 09/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: N SHED (2') (H256195-01)

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	10/03/2025	ND	1.92	96.2	2.00	9.97	
Toluene*	<0.050	0.050	10/03/2025	ND	1.89	94.6	2.00	4.59	
Ethylbenzene*	<0.050	0.050	10/03/2025	ND	2.01	101	2.00	1.22	
Total Xylenes*	<0.150	0.150	10/03/2025	ND	6.11	102	6.00	0.488	
Total BTEX	<0.300	0.300	10/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/06/2025	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	10/04/2025	ND	204	102	200	0.148	
DRO >C10-C28*	<10.0	10.0	10/04/2025	ND	217	109	200	0.702	
EXT DRO >C28-C36	<10.0	10.0	10/04/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.6 % 39.9-141

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/03/2025
 Reported: 10/09/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 09/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: E SHED (2') (H256195-02)

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	10/03/2025	ND	1.92	96.2	2.00	9.97	
Toluene*	<0.050	0.050	10/03/2025	ND	1.89	94.6	2.00	4.59	
Ethylbenzene*	<0.050	0.050	10/03/2025	ND	2.01	101	2.00	1.22	
Total Xylenes*	<0.150	0.150	10/03/2025	ND	6.11	102	6.00	0.488	
Total BTEX	<0.300	0.300	10/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/06/2025	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	10/04/2025	ND	204	102	200	0.148	
DRO >C10-C28*	<10.0	10.0	10/04/2025	ND	217	109	200	0.702	
EXT DRO >C28-C36	<10.0	10.0	10/04/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.0 % 39.9-141

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TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/03/2025
 Reported: 10/09/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 09/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S SHED (2') (H256195-03)

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	10/03/2025	ND	1.92	96.2	2.00	9.97	
Toluene*	<0.050	0.050	10/03/2025	ND	1.89	94.6	2.00	4.59	
Ethylbenzene*	<0.050	0.050	10/03/2025	ND	2.01	101	2.00	1.22	
Total Xylenes*	<0.150	0.150	10/03/2025	ND	6.11	102	6.00	0.488	
Total BTEX	<0.300	0.300	10/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	10/06/2025	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	10/04/2025	ND	204	102	200	0.148	
DRO >C10-C28*	<10.0	10.0	10/04/2025	ND	217	109	200	0.702	
EXT DRO >C28-C36	<10.0	10.0	10/04/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 103 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/03/2025
 Reported: 10/09/2025
 Project Name: PLU METER #89
 Project Number: AR247297
 Project Location: XTO - EDDY CO NM

Sampling Date: 09/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: W SHED (2') (H256195-04)

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	10/03/2025	ND	1.92	96.2	2.00	9.97	
Toluene*	<0.050	0.050	10/03/2025	ND	1.89	94.6	2.00	4.59	
Ethylbenzene*	<0.050	0.050	10/03/2025	ND	2.01	101	2.00	1.22	
Total Xylenes*	<0.150	0.150	10/03/2025	ND	6.11	102	6.00	0.488	
Total BTEX	<0.300	0.300	10/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/06/2025	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	10/04/2025	ND	204	102	200	0.148	
DRO >C10-C28*	<10.0	10.0	10/04/2025	ND	217	109	200	0.702	
EXT DRO >C28-C36	<10.0	10.0	10/04/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 39.9-141

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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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February 10, 2026

AUSTIN WORLEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: PLU METER #89

Enclosed are the results of analyses for samples received by the laboratory on 02/04/26 15:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2 Total Haloacetic Acids (HAA-5)

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 10-Feb-26 13:51
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NW SHED @ 0.25'	H260636-01	Soil	04-Feb-26 10:30	04-Feb-26 15:06

CASE NARRATIVE:

No lot numbers on sample containers for traceability.

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Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 10-Feb-26 13:51
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**NW SHED @ 0.25'
H260636-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2920		16.0	mg/kg	4	6020445	AC	05-Feb-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6020429	JH	05-Feb-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6020429	JH	05-Feb-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6020429	JH	05-Feb-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6020429	JH	05-Feb-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6020429	JH	05-Feb-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %		70.4-141	6020429	JH	05-Feb-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6020438	JF	05-Feb-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6020438	JF	05-Feb-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6020438	JF	05-Feb-26	8015B	

Surrogate: 1-Chlorooctane			81.9 %		52.4-130	6020438	JF	05-Feb-26	8015B	
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Surrogate: 1-Chlorooctadecane			81.2 %		39.9-141	6020438	JF	05-Feb-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 10-Feb-26 13:51
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6020445 - 1:4 DI Water										
Blank (6020445-BLK1)										
Prepared & Analyzed: 05-Feb-26										
Chloride	ND	16.0	mg/kg							
LCS (6020445-BS1)										
Prepared & Analyzed: 05-Feb-26										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (6020445-BSD1)										
Prepared & Analyzed: 05-Feb-26										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 10-Feb-26 13:51
--	---	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6020429 - Volatiles

Blank (6020429-BLK1)

Prepared: 04-Feb-26 Analyzed: 05-Feb-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.104		mg/kg	0.100		104	70.4-141			

LCS (6020429-BS1)

Prepared: 04-Feb-26 Analyzed: 05-Feb-26

Benzene	2.07	0.050	mg/kg	2.00		104	71-111			
Toluene	2.02	0.050	mg/kg	2.00		101	75-116			
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	74.2-119			
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	72.5-123			
o-Xylene	2.20	0.050	mg/kg	2.00		110	70.5-124			
Total Xylenes	6.36	0.150	mg/kg	6.00		106	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.100		mg/kg	0.100		100	70.4-141			

LCS Dup (6020429-BSD1)

Prepared: 04-Feb-26 Analyzed: 05-Feb-26

Benzene	2.10	0.050	mg/kg	2.00		105	71-111	1.15	17.6	
Toluene	2.04	0.050	mg/kg	2.00		102	75-116	1.09	14.8	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	74.2-119	0.951	14.2	
m,p-Xylene	4.21	0.100	mg/kg	4.00		105	72.5-123	1.23	13.6	
o-Xylene	2.22	0.050	mg/kg	2.00		111	70.5-124	0.850	13.7	
Total Xylenes	6.43	0.150	mg/kg	6.00		107	72.2-123	1.10	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0958		mg/kg	0.100		95.8	70.4-141			

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Analytical Results For:

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU METER #89 Project Number: AR247297 Project Manager: AUSTIN WORLEY Fax To:	Reported: 10-Feb-26 13:51
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6020438 - General Prep - Organics

Blank (6020438-BLK1)		Prepared: 04-Feb-26 Analyzed: 05-Feb-26								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	52.4-130			
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0		108	39.9-141			

LCS (6020438-BS1)		Prepared: 04-Feb-26 Analyzed: 05-Feb-26								
GRO C6-C10	214	10.0	mg/kg	200		107	78.7-123			
DRO >C10-C28	206	10.0	mg/kg	200		103	74.8-123			
Total TPH C6-C28	421	10.0	mg/kg	400		105	78.6-121			
Surrogate: 1-Chlorooctane	61.2		mg/kg	50.0		122	52.4-130			
Surrogate: 1-Chlorooctadecane	56.0		mg/kg	50.0		112	39.9-141			

LCS Dup (6020438-BSD1)		Prepared: 04-Feb-26 Analyzed: 05-Feb-26								
GRO C6-C10	226	10.0	mg/kg	200		113	78.7-123	5.31	11.3	
DRO >C10-C28	206	10.0	mg/kg	200		103	74.8-123	0.188	10.9	
Total TPH C6-C28	432	10.0	mg/kg	400		108	78.6-121	2.65	10.5	
Surrogate: 1-Chlorooctane	60.4		mg/kg	50.0		121	52.4-130			
Surrogate: 1-Chlorooctadecane	61.6		mg/kg	50.0		123	39.9-141			

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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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Celey D. Keene, Lab Director/Quality Manager



Office Location: Lubbock, Texas
 Project Manager: Austin Worley
 Sampler's Name: Austin Worley
 Project Number: AR247297
 Project Name: PLU Meter #089

Laboratory: Cardinal Laboratories
 Address: 101 E Marland St # 101
 Hobbs, NM 88240
 (575) 393-2326
 Phone: _____
 Contact: _____

Sampler's Signature: *Austin Worley*

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth (FT)	End Depth (FT)	No. Type of Containers	BTEX	TPH	Chloride
S	2/4/2026	10:50	X		NW Shed	-	0.25	1	X	X	X
NFE											

TURNAROUND TIME	Normal	48-Hour Rush	24-Hour Rush	TRRP Laboratory Review Checklist	Yes	No
Retiquished by (Signature): <i>Austin Worley</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Date: 2-4-26						
Time: 15:05						
Received by (Signature): <i>Joseph Ruesnier</i>						
Date: 2-4-26						
Time: 15:00						

Bill To: **XTO Energy**
 Attention: Colton Brown
 Cost Code: 1080791001
 e-mail results to:
austin.worley@terracon.com
joseph.ruesnier@terracon.com

Matrix: WW Wastewater
 Container: 50A - 40 liter lid
 Material: W - Water
 Add: Amber Glass 3L
 S - Soil
 200 ml - Glass with mouth
 L - Liquid
 A - Air Bag
 C - Chemical tube
 S - Solids
 Lubbock Office ■ 5847 50th Street ■ Lubbock, Texas 79424 ■ 806-300-0140
 Responsive ■ Resourceful ■ Reliable

CHAIN OF CUSTODY RECORD

ANALYSIS REQUESTED	LAB USE ONLY
BTEX	DUE DATE:
TPH	TEMP OF COOLER WHEN RECEIVED (°C)
Chloride	4.4
	4.5
	#14

Page 1 of 1

LABOR 30
Lab Sample ID

NO LABEL ON ICE



APPENDIX G – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, XTO Energy, as reflected in our Master Services Agreement.

Additional Scope Limitations

The development of this Closure Report is based on information provided by XTO Energy and Terracon's remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by XTO Energy. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 556443

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 556443
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434746334
Incident Name	NAPP2434746334 POKER LAKE UNIT METER 089 BATTERY @ 30-015-27787
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-015-27787] POKER LAKE UNIT #089

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	POKER LAKE UNIT METER 089 BATTERY
Date Release Discovered	12/11/2024
Surface Owner	Federal

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 27 BBL Recovered: 15 BBL Lost: 12 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>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.</i>	

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: Richard Kotzur Title: Senior Project Manager Email: NMEvnNotifications@exxonmobil.com Date: 02/20/2026
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QUESTIONS (continued)

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QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
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	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	3280
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10068
GRO+DRO (EPA SW-846 Method 8015M)	7468
BTEX (EPA SW-846 Method 8021B or 8260B)	21.1
Benzene (EPA SW-846 Method 8021B or 8260B)	2

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

On what estimated date will the remediation commence	07/10/2025
On what date will (or did) the final sampling or liner inspection occur	02/06/2025
On what date will (or was) the remediation complete(d)	02/07/2025
What is the estimated surface area (in square feet) that will be reclaimed	3145
What is the estimated volume (in cubic yards) that will be reclaimed	72
What is the estimated surface area (in square feet) that will be remediated	3145
What is the estimated volume (in cubic yards) that will be remediated	72

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	No

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 02/20/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 556443

QUESTIONS (continued)

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	Action Number: 556443
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QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Additional remediation could not be completed due to restricted access beneath and between on-site tanks, flow lines, electrical control sheds, and other equipment the risk of compromising the structural integrity of the foundations.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1600
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	60
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (F#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-27787 POKER LAKE UNIT #089
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 02/20/2026

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	548939
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/04/2026
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 556443

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of (remediation below the infrastructure marked on Exhibit 7C) is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	3/16/2026