



October 13, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
PLU 201 Flowline
Incident Number nAPP2520446632
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document site assessment, excavation, and soil sampling activities at the PLU 201 Flowline (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water and crude oil onto Gavilan Road. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing site assessment and excavation activities that have occurred and requesting no further action for Incident Number nAPP2520446632.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 07, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.23004°, -103.91117°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On July 21, 2025, corrosion to a production flowline resulted in the release of approximately 2 barrels (bbls) of crude oil and 4 bbls of produced water onto Gavilan Road. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 1 bbl of crude oil and 1 bbl of released produced water were recovered. XTO reported the release to the NMOCDD via Notification of Release (NOR) and an Initial C-141 Application (C-141) on July 23, 2025. The release was assigned Incident Number nAPP2520446632.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is a livestock watering well (C-02108) located approximately 375 feet east of the Site. On December 31, 1963, the depth to groundwater was measured in the well at a depth of 186 feet bgs.

The well was completed to a total depth of 200 feet bgs. The second closest permitted groundwater well with recorded depth to groundwater data is United States Geological Survey (USGS) well 321339103541801, located approximately 0.6 miles southeast of the Site. On November 4, 1992, the groundwater well reported depth to groundwater at 179 feet bgs and a total depth of 192 feet bgs. The Well Records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 1,175 feet east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. As discussed above, the Site is roughly 375 feet west of a livestock watering well (C-02108). The Site is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

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

SITE ASSESSMENT ACTIVITIES

On July 23, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. No samples were collected during this Site visit. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation is included in Appendix B.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between July 31 and August 11, 2025, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining and field screening activities. Excavation activities were performed using heavy equipment. To direct excavation activities, Ensolum personnel field screened the soil samples for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Following removal of impacted soil, Ensolum personnel collected five composite soil samples (FS01 through FS04, and SW01) representing no more than 200 square feet from the floor and sidewalls of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS04 were collected from the floor of the excavation at a depth of 1 foot bgs. Confirmation sidewall soil sample SW01 was collected from the sidewalls of the excavation at depths ranging from ground surface to 1 foot bgs. In addition, one composite soil sample was collected of the backfill material (BF-Caliche) prior to use at the Site. The excavation extent and confirmation soil sample locations are presented on Figure 3. Photographic documentation of the excavation activities is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples collected on July

XTO Energy, Inc
Closure Request
PLU 201 Flowline



31 and August 1, 2025 were transported under strict chain-of-custody procedures to Eurofins Carlsbad Laboratories (Eurofins) in Carlsbad, New Mexico. The soil sample collected on August 11, 2025 was transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico. All samples were submitted for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH- diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300 or Standards Method SM4500.

The final excavation extent measured approximately 670 square feet. A total of approximately 15 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Landfill in Hobbs, New Mexico. The excavation was backfilled on August 11, 2025 with material purchased locally and recontoured to match pre-existing road conditions. Photographic documentation of excavation and backfill activities is included in Appendix B.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the confirmation floor soil samples FS01 through FS04 and sidewall soil sample SW01, collected at depths ranging from ground surface to 1-foot bgs, indicated that all COC concentrations were compliant with the Closure Criteria as well as the reclamation requirement. The confirmation samples confirmed the lateral and vertical extents of the release. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix C.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the July 21, 2025, release of crude oil and produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement. Based on the soil sample analytical results, no further remediation was required. XTO backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions. Since the release and excavation areas were located within Gavilan Road, no reclamation or revegetation was required at this time. Steps will be taken for reclamation and re-vegetation purposes once the lease road is decommissioned in the future.

Excavation of impacted soil has mitigated potential impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2520446632.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Kath Kahn".

Katherine Kahn, P.G.

A handwritten signature in black ink, appearing to read "T Morrissey".

Tacoma Morrissey

XTO Energy, Inc
Closure Request
PLU 201 Flowline



Senior Managing Geologist

Associate Principal

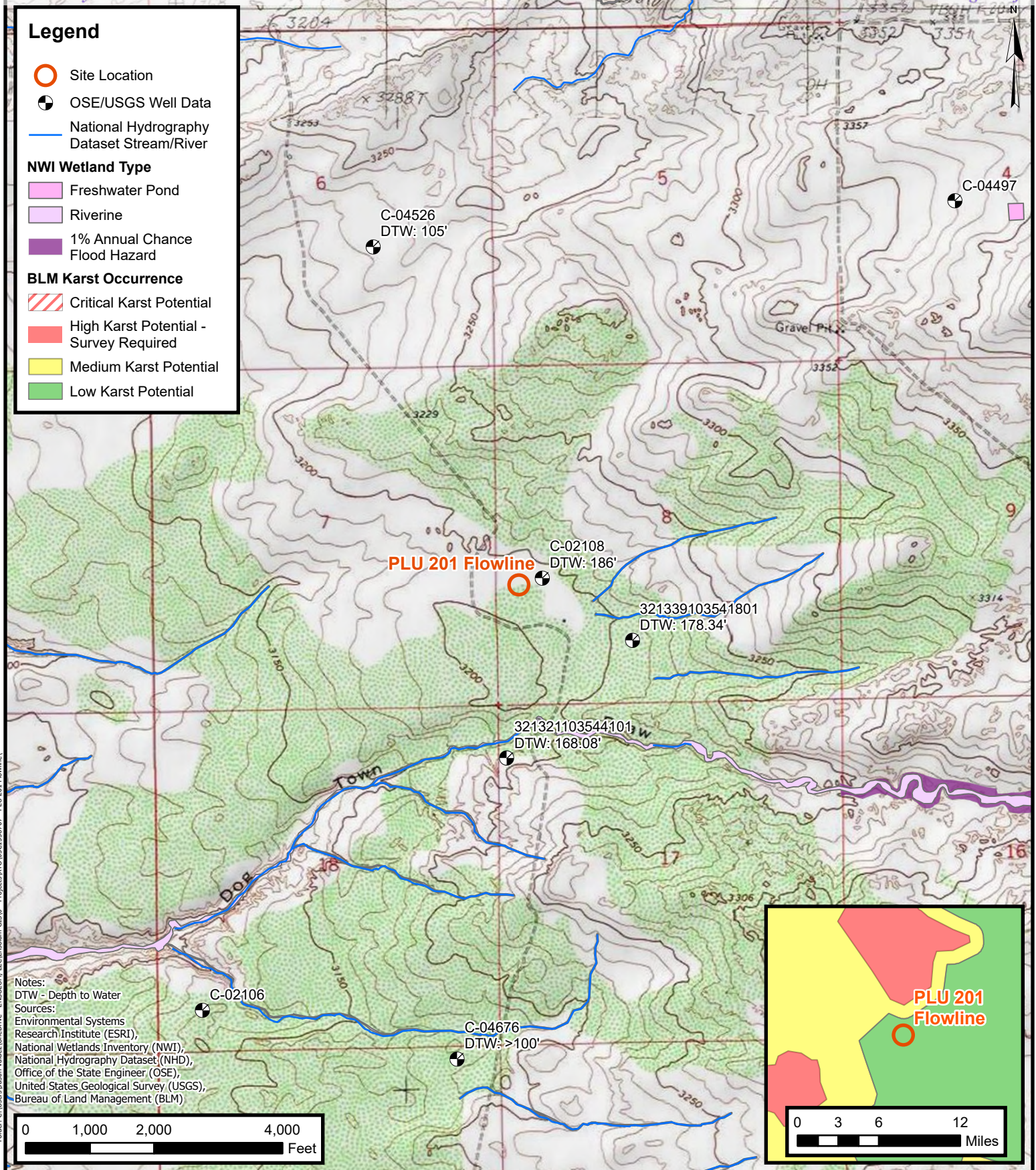
cc: Dale Woodall, XTO
Richard Kotzur, XTO
Bureau of Land Management

Appendices:

Figure 1	Site Receptor Map
Figure 2	Site Map
Figure 3	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES

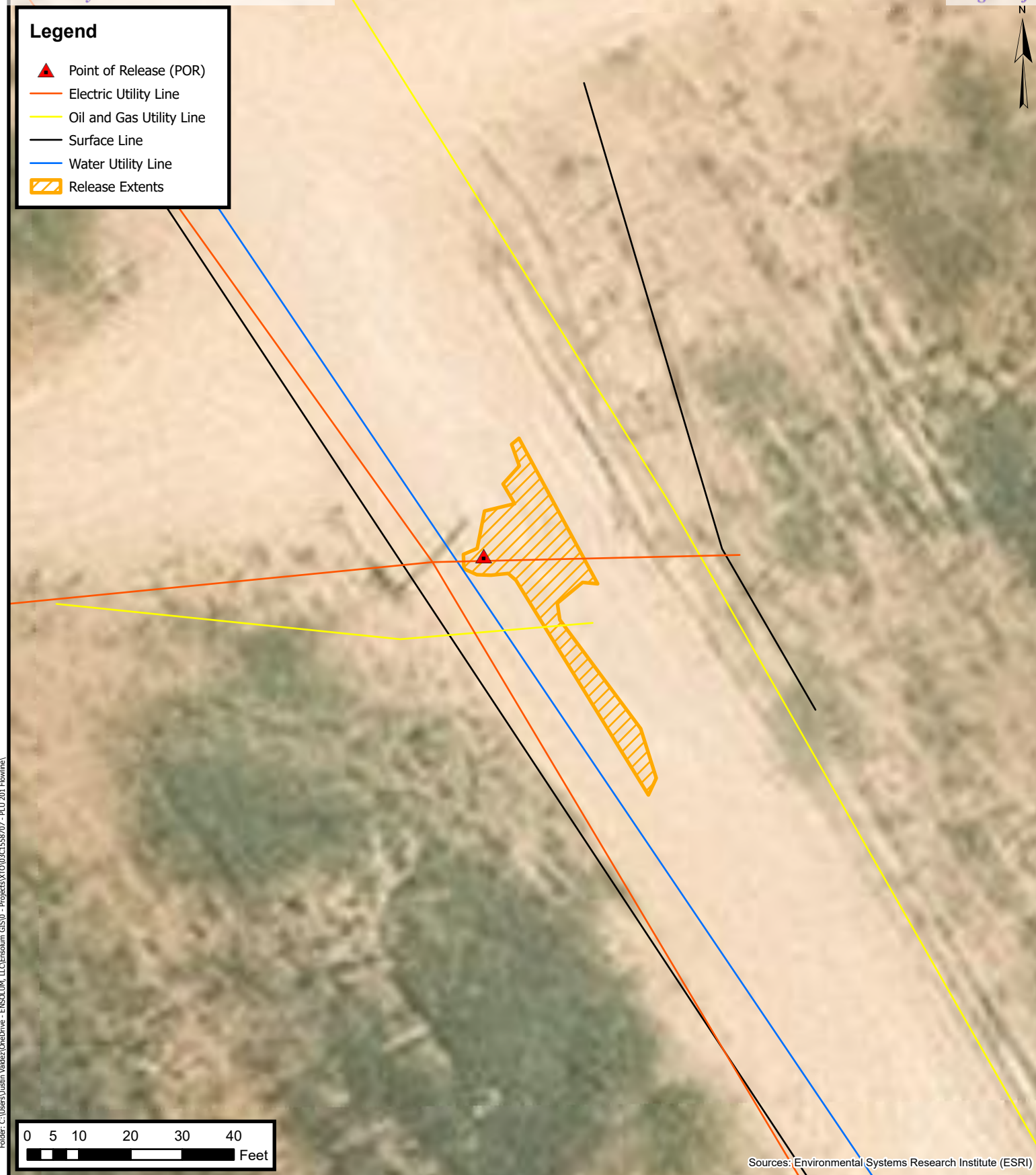


Site Receptor Map

XTO Energy Inc
PLU 201 Flowline
Incident Number: NAPP2520446632
Unit K, Section 07, T 24S, R 30E
Eddy County, New Mexico

FIGURE

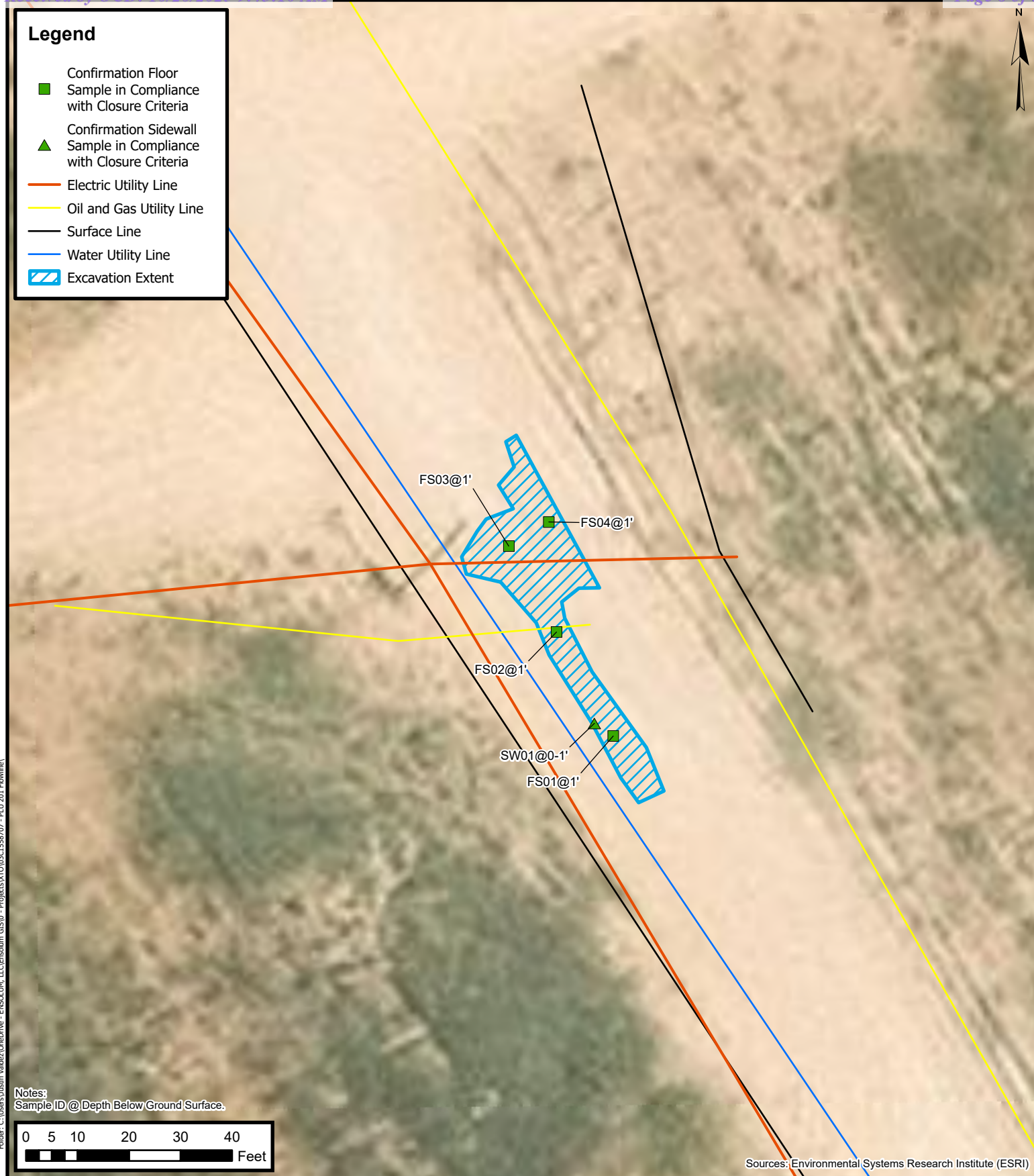
1



Site Map

XTO Energy Inc
PLU 201 Flowline
Incident Number: NAPP2520446632
Unit K, Section 07, T 24S, R 30E
Eddy County, New Mexico

FIGURE
2



Confirmation Soil Sample Location

XTO Energy Inc
 PLU 201 Flowline
 Incident Number: NAPP2520446632
 Unit K, Section 07, T 24S, R 30E
 Eddy County, New Mexico

FIGURE

3



TABLE



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU 201 Flowline - Spill
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Soil Samples										
FS01	07/31/2025	1	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	183
FS02	08/01/2025	1	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	263
FS03	08/01/2025	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	434
FS04	08/11/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW01	08/01/2025	0-1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	404
Backfill Soil Sample										
BF - Caliche	07/31/2025	0-1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	207

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02108		NW	SW	08	24S	30E	602702.0	3566487.0 *	

* UTM location was derived from PLSS - see Help

Driller License:

Driller Company:

Driller Name:

UNKNOWN

Drill Start Date:

Drill Finish Date:

1963-12-31

Plug Date:

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

16

Casing Size:

7.00

Depth Well:

200

Depth Water:

186

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321339103541801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321339103541801 24S.30E.08.33222

Eddy County, New Mexico
Latitude 32°13'39", Longitude 103°54'18" NAD27
Land-surface elevation 3,207 feet above NAVD88
The depth of the well is 192 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1959-03-23			D 62610		3029.31	NGVD29	1		Z	
1959-03-23			D 62611		3030.98	NAVD88	1		Z	
1959-03-23			D 72019	176.02			1		Z	
1976-12-01			D 62610		3026.78	NGVD29	1		Z	
1976-12-01			D 62611		3028.45	NAVD88	1		Z	
1976-12-01			D 72019	178.55			1		Z	
1983-02-01			D 62610		3026.70	NGVD29	1		Z	
1983-02-01			D 62611		3028.37	NAVD88	1		Z	
1983-02-01			D 72019	178.63			1		Z	
1987-10-15			D 62610		3026.98	NGVD29	P		S	
1987-10-15			D 62611		3028.65	NAVD88	P		S	
1987-10-15			D 72019	178.35			P		S	
1992-11-04			D 62610		3026.99	NGVD29	P		S	
1992-11-04			D 62611		3028.66	NAVD88	P		S	
1992-11-04			D 72019	178.34			P		S	

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)

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



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2025-09-12 15:47:11 EDT
0.36 0.3 nadww02



APPENDIX B

Photographic Log

**Photographic Log**

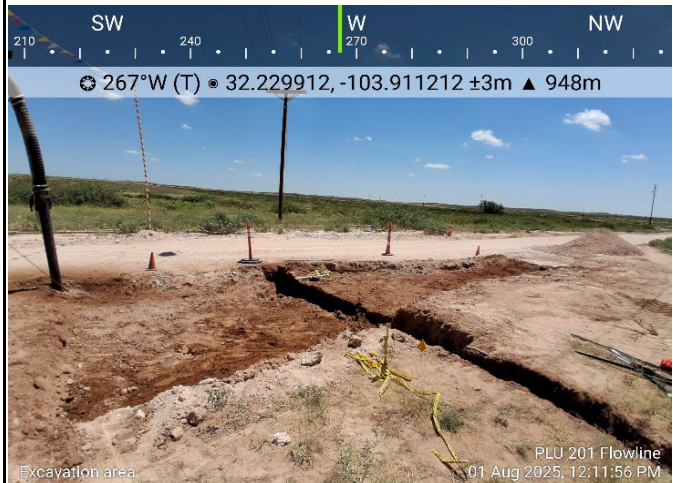
XTO Energy Inc.

PLU 201 Flowline

nAPP2520446632



Photograph: 1 Date: 7/23/2025
Description: Stained Area and Point of Release
View: Northwest



Photograph: 2 Date: 8/1/2025
Description: Excavation Activity
View: West



Photograph: 3 Date: 8/11/2025
Description: Excavation activities
View: Southeast



Photograph: 4 Date: 8/11/2025
Description: Backfilling activities
View: West



APPENDIX C

Laboratory Analytical Reports & Chain-of-Custody Documentation



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashley Holmes
Ensolum

601 N. Marienfeld St.
Suite 400

Midland, Texas 79701

Generated 8/7/2025 10:30:42 AM

JOB DESCRIPTION

PLU 201 FLOWLINE
03C1558707

JOB NUMBER

890-8560-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
8/7/2025 10:30:42 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Laboratory Job ID: 890-8560-1
SDG: 03C1558707

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	17
Lab Chronicle	20
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
Receipt Checklists	26

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: PLU 201 FLOWLINE

Job ID: 890-8560-1

Job ID: 890-8560-1

Eurofins Carlsbad

Job Narrative
890-8560-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/1/2025 3:53 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-115648 and analytical batch 880-115668 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Client Sample ID: FS 02

Lab Sample ID: 890-8560-1

Date Collected: 08/01/25 11:20

Matrix: Solid

Date Received: 08/01/25 15:53

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 21:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 21:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 21:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		08/03/25 16:00	08/03/25 21:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 21:02	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/03/25 16:00	08/03/25 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/03/25 16:00	08/03/25 21:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/03/25 16:00	08/03/25 21:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/03/25 21:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			08/05/25 20:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/31/25 14:16	08/05/25 20:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/31/25 14:16	08/05/25 20:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/31/25 14:16	08/05/25 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	07/31/25 14:16	08/05/25 20:17	1
o-Terphenyl	102		70 - 130	07/31/25 14:16	08/05/25 20:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	263		9.96	mg/Kg			08/04/25 13:27	1

Client Sample ID: FS 03

Lab Sample ID: 890-8560-2

Date Collected: 08/01/25 11:47

Matrix: Solid

Date Received: 08/01/25 15:53

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/03/25 16:00	08/03/25 21:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/03/25 16:00	08/03/25 21:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/03/25 16:00	08/03/25 21:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/03/25 16:00	08/03/25 21:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/03/25 16:00	08/03/25 21:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/03/25 16:00	08/03/25 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/03/25 16:00	08/03/25 21:22	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Client Sample ID: FS 03

Lab Sample ID: 890-8560-2

Date Collected: 08/01/25 11:47

Matrix: Solid

Date Received: 08/01/25 15:53

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	08/03/25 16:00	08/03/25 21:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/03/25 21:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/05/25 20:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 20:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 20:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 20:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			07/31/25 14:16	08/05/25 20:32	1
o-Terphenyl	105		70 - 130			07/31/25 14:16	08/05/25 20:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	434		10.1	mg/Kg			08/04/25 13:35	1

Client Sample ID: SW 01

Lab Sample ID: 890-8560-3

Date Collected: 08/01/25 12:01

Matrix: Solid

Date Received: 08/01/25 15:53

Sample Depth: 0-1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 21:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 21:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 21:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/03/25 16:00	08/03/25 21:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 21:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/03/25 16:00	08/03/25 21:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			08/03/25 16:00	08/03/25 21:43	1
1,4-Difluorobenzene (Surr)	107		70 - 130			08/03/25 16:00	08/03/25 21:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			08/03/25 21:43	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/05/25 20:47	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Client Sample ID: SW 01

Lab Sample ID: 890-8560-3

Date Collected: 08/01/25 12:01

Matrix: Solid

Date Received: 08/01/25 15:53

Sample Depth: 0-1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 20:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 20:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			07/31/25 14:16	08/05/25 20:47	1
o-Terphenyl	100		70 - 130			07/31/25 14:16	08/05/25 20:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	404		9.90	mg/Kg			08/04/25 13:43	1

Client Sample ID: FS 01

Lab Sample ID: 890-8560-4

Date Collected: 07/31/25 14:37

Matrix: Solid

Date Received: 08/01/25 15:53

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/03/25 16:00	08/03/25 22:03	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/03/25 16:00	08/03/25 22:03	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/03/25 16:00	08/03/25 22:03	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		08/03/25 16:00	08/03/25 22:03	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/03/25 16:00	08/03/25 22:03	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/03/25 16:00	08/03/25 22:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			08/03/25 16:00	08/03/25 22:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130			08/03/25 16:00	08/03/25 22:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			08/03/25 22:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/06/25 21:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/04/25 09:55	08/06/25 21:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/25 09:55	08/06/25 21:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 09:55	08/06/25 21:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			08/04/25 09:55	08/06/25 21:32	1
o-Terphenyl	92		70 - 130			08/04/25 09:55	08/06/25 21:32	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Client Sample ID: FS 01

Lab Sample ID: 890-8560-4

Date Collected: 07/31/25 14:37

Matrix: Solid

Date Received: 08/01/25 15:53

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183		10.1	mg/Kg			08/04/25 13:50	1

Client Sample ID: BF - CALICHE

Lab Sample ID: 890-8560-5

Date Collected: 07/31/25 12:01

Matrix: Solid

Date Received: 08/01/25 15:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/03/25 16:00	08/03/25 23:37	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/03/25 16:00	08/03/25 23:37	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/03/25 16:00	08/03/25 23:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		08/03/25 16:00	08/03/25 23:37	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/03/25 16:00	08/03/25 23:37	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/03/25 16:00	08/03/25 23:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			08/03/25 16:00	08/03/25 23:37	1
1,4-Difluorobenzene (Surr)	90		70 - 130			08/03/25 16:00	08/03/25 23:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/03/25 23:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			08/06/25 22:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		08/04/25 09:55	08/06/25 22:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/04/25 09:55	08/06/25 22:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/04/25 09:55	08/06/25 22:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			08/04/25 09:55	08/06/25 22:04	1
o-Terphenyl	96		70 - 130			08/04/25 09:55	08/06/25 22:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	207		10.0	mg/Kg			08/04/25 13:58	1

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Surrogate Summary

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8554-A-1-A MS	Matrix Spike	104	104
890-8554-A-1-B MSD	Matrix Spike Duplicate	96	101
890-8560-1	FS 02	89	102
890-8560-2	FS 03	96	98
890-8560-3	SW 01	101	107
890-8560-4	FS 01	98	101
890-8560-5	BF - CALICHE	108	90
LCS 880-115648/1-A	Lab Control Sample	99	104
LCSD 880-115648/2-A	Lab Control Sample Dup	101	107
MB 880-115648/5-A	Method Blank	98	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8555-A-7-E MS	Matrix Spike	111	111
890-8555-A-7-F MSD	Matrix Spike Duplicate	112	110
890-8557-A-14-D MS	Matrix Spike	101	96
890-8557-A-14-E MSD	Matrix Spike Duplicate	101	96
890-8560-1	FS 02	99	102
890-8560-2	FS 03	101	105
890-8560-3	SW 01	97	100
890-8560-4	FS 01	109	92
890-8560-5	BF - CALICHE	113	96
LCS 880-115529/2-A	Lab Control Sample	104	105
LCS 880-115735/2-A	Lab Control Sample	98	100
LCSD 880-115529/3-A	Lab Control Sample Dup	105	103
LCSD 880-115735/3-A	Lab Control Sample Dup	115	118
MB 880-115529/1-A	Method Blank	86	94
MB 880-115735/1-A	Method Blank	96	91

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115648/5-A

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115648

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/02/25 19:07	08/03/25 18:37	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	98		70 - 130	08/02/25 19:07	08/03/25 18:37	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/02/25 19:07	08/03/25 18:37	1

Lab Sample ID: LCS 880-115648/1-A

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08040		mg/Kg		80	70 - 130
Toluene	0.100	0.07898		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.08634		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1721		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08862		mg/Kg		89	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-115648/2-A

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.08861		mg/Kg		89	70 - 130	10	35
Toluene	0.100	0.08483		mg/Kg		85	70 - 130	7	35
Ethylbenzene	0.100	0.09343		mg/Kg		93	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1834		mg/Kg		92	70 - 130	6	35
o-Xylene	0.100	0.09247		mg/Kg		92	70 - 130	4	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-8554-A-1-A MS

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Sample Sample		Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Benzene	<0.00202	U F1	0.100	0.06162	F1	mg/Kg		62	70 - 130
Toluene	<0.00202	U F1	0.100	0.06122	F1	mg/Kg		61	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-8554-A-1-A MS

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.07279		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1436		mg/Kg		72	70 - 130
o-Xylene	<0.00202	U	0.100	0.07172		mg/Kg		72	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

Lab Sample ID: 890-8554-A-1-B MSD

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.100	0.07331		mg/Kg		73	70 - 130	17	35
Toluene	<0.00202	U F1	0.100	0.06623	F1	mg/Kg		66	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.100	0.07103		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1400		mg/Kg		70	70 - 130	3	35
o-Xylene	<0.00202	U	0.100	0.07080		mg/Kg		71	70 - 130	1	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	96		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-115529/1-A

Matrix: Solid

Analysis Batch: 115840

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115529

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 14:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 14:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/25 14:16	08/05/25 14:18	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			07/31/25 14:16	08/05/25 14:18	1
o-Terphenyl	94		70 - 130			07/31/25 14:16	08/05/25 14:18	1

Lab Sample ID: LCS 880-115529/2-A

Matrix: Solid

Analysis Batch: 115840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1069		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	936.5		mg/Kg		94	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-115529/2-A

Matrix: Solid

Analysis Batch: 115840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115529

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-115529/3-A

Matrix: Solid

Analysis Batch: 115840

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115529

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1068		mg/Kg		107	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	945.1		mg/Kg		95	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-8555-A-7-E MS

Matrix: Solid

Analysis Batch: 115840

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115529

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	908.0		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	791.5		mg/Kg		79	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 890-8555-A-7-F MSD

Matrix: Solid

Analysis Batch: 115840

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115529

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	916.0		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	791.2		mg/Kg		79	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	110		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-115735/1-A

Matrix: Solid

Analysis Batch: 115965

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115735

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/04/25 09:55	08/06/25 17:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/25 09:55	08/06/25 17:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 09:55	08/06/25 17:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			08/04/25 09:55	08/06/25 17:51	1
o-Terphenyl	91		70 - 130			08/04/25 09:55	08/06/25 17:51	1

Lab Sample ID: LCS 880-115735/2-A

Matrix: Solid

Analysis Batch: 115965

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	953.3		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	946.9		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	98		70 - 130				
o-Terphenyl	100		70 - 130				

Lab Sample ID: LCSD 880-115735/3-A

Matrix: Solid

Analysis Batch: 115965

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115735

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1124		mg/Kg		112	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	1138		mg/Kg		114	70 - 130	18	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: 890-8557-A-14-D MS

Matrix: Solid

Analysis Batch: 115965

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	839.6		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	779.6		mg/Kg		76	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-8557-A-14-D MS

Matrix: Solid

Analysis Batch: 115965

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115735

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-8557-A-14-E MSD

Matrix: Solid

Analysis Batch: 115965

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115735

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	846.1		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	777.5		mg/Kg		76	70 - 130	0	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	96		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115694/1-A

Matrix: Solid

Analysis Batch: 115745

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<10.0	U	10.0	mg/Kg			08/04/25 11:48	1		

Lab Sample ID: LCS 880-115694/2-A

Matrix: Solid

Analysis Batch: 115745

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	260.4		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-115694/3-A

Matrix: Solid

Analysis Batch: 115745

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	263.6		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 890-8560-5 MS

Matrix: Solid

Analysis Batch: 115745

Client Sample ID: BF - CALICHE

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	207		251	458.3		mg/Kg		100	90 - 110		

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QC Sample Results

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8560-5 MSD
Matrix: Solid
Analysis Batch: 115745

Client Sample ID: BF - CALICHE
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	207		251	452.0		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

GC VOA

Prep Batch: 115648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-1	FS 02	Total/NA	Solid	5035	
890-8560-2	FS 03	Total/NA	Solid	5035	
890-8560-3	SW 01	Total/NA	Solid	5035	
890-8560-4	FS 01	Total/NA	Solid	5035	
890-8560-5	BF - CALICHE	Total/NA	Solid	5035	
MB 880-115648/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115648/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115648/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8554-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-8554-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 115668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-1	FS 02	Total/NA	Solid	8021B	115648
890-8560-2	FS 03	Total/NA	Solid	8021B	115648
890-8560-3	SW 01	Total/NA	Solid	8021B	115648
890-8560-4	FS 01	Total/NA	Solid	8021B	115648
890-8560-5	BF - CALICHE	Total/NA	Solid	8021B	115648
MB 880-115648/5-A	Method Blank	Total/NA	Solid	8021B	115648
LCS 880-115648/1-A	Lab Control Sample	Total/NA	Solid	8021B	115648
LCSD 880-115648/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115648
890-8554-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	115648
890-8554-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115648

Analysis Batch: 115761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-1	FS 02	Total/NA	Solid	Total BTEX	
890-8560-2	FS 03	Total/NA	Solid	Total BTEX	
890-8560-3	SW 01	Total/NA	Solid	Total BTEX	
890-8560-4	FS 01	Total/NA	Solid	Total BTEX	
890-8560-5	BF - CALICHE	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-1	FS 02	Total/NA	Solid	8015NM Prep	
890-8560-2	FS 03	Total/NA	Solid	8015NM Prep	
890-8560-3	SW 01	Total/NA	Solid	8015NM Prep	
MB 880-115529/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115529/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115529/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8555-A-7-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8555-A-7-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 115735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-4	FS 01	Total/NA	Solid	8015NM Prep	
890-8560-5	BF - CALICHE	Total/NA	Solid	8015NM Prep	
MB 880-115735/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115735/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

GC Semi VOA (Continued)

Prep Batch: 115735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-115735/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8557-A-14-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8557-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-1	FS 02	Total/NA	Solid	8015B NM	115529
890-8560-2	FS 03	Total/NA	Solid	8015B NM	115529
890-8560-3	SW 01	Total/NA	Solid	8015B NM	115529
MB 880-115529/1-A	Method Blank	Total/NA	Solid	8015B NM	115529
LCS 880-115529/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115529
LCSD 880-115529/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115529
890-8555-A-7-E MS	Matrix Spike	Total/NA	Solid	8015B NM	115529
890-8555-A-7-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	115529

Analysis Batch: 115959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-1	FS 02	Total/NA	Solid	8015 NM	
890-8560-2	FS 03	Total/NA	Solid	8015 NM	
890-8560-3	SW 01	Total/NA	Solid	8015 NM	
890-8560-4	FS 01	Total/NA	Solid	8015 NM	
890-8560-5	BF - CALICHE	Total/NA	Solid	8015 NM	

Analysis Batch: 115965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-4	FS 01	Total/NA	Solid	8015B NM	115735
890-8560-5	BF - CALICHE	Total/NA	Solid	8015B NM	115735
MB 880-115735/1-A	Method Blank	Total/NA	Solid	8015B NM	115735
LCS 880-115735/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115735
LCSD 880-115735/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115735
890-8557-A-14-D MS	Matrix Spike	Total/NA	Solid	8015B NM	115735
890-8557-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	115735

HPLC/IC

Leach Batch: 115694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-1	FS 02	Soluble	Solid	DI Leach	
890-8560-2	FS 03	Soluble	Solid	DI Leach	
890-8560-3	SW 01	Soluble	Solid	DI Leach	
890-8560-4	FS 01	Soluble	Solid	DI Leach	
890-8560-5	BF - CALICHE	Soluble	Solid	DI Leach	
MB 880-115694/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115694/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115694/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8560-5 MS	BF - CALICHE	Soluble	Solid	DI Leach	
890-8560-5 MSD	BF - CALICHE	Soluble	Solid	DI Leach	

Analysis Batch: 115745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-1	FS 02	Soluble	Solid	300.0	115694

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QC Association Summary

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

HPLC/IC (Continued)

Analysis Batch: 115745 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8560-2	FS 03	Soluble	Solid	300.0	115694
890-8560-3	SW 01	Soluble	Solid	300.0	115694
890-8560-4	FS 01	Soluble	Solid	300.0	115694
890-8560-5	BF - CALICHE	Soluble	Solid	300.0	115694
MB 880-115694/1-A	Method Blank	Soluble	Solid	300.0	115694
LCS 880-115694/2-A	Lab Control Sample	Soluble	Solid	300.0	115694
LCSD 880-115694/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115694
890-8560-5 MS	BF - CALICHE	Soluble	Solid	300.0	115694
890-8560-5 MSD	BF - CALICHE	Soluble	Solid	300.0	115694

Lab Chronicle

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Client Sample ID: FS 02
Date Collected: 08/01/25 11:20
Date Received: 08/01/25 15:53

Lab Sample ID: 890-8560-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	115648	08/03/25 16:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115668	08/03/25 21:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115761	08/03/25 21:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			115959	08/05/25 20:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115529	07/31/25 14:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115840	08/05/25 20:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115694	08/04/25 08:25	SI	EET MID
Soluble	Analysis	300.0		1			115745	08/04/25 13:27	SMC	EET MID

Client Sample ID: FS 03
Date Collected: 08/01/25 11:47
Date Received: 08/01/25 15:53

Lab Sample ID: 890-8560-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115648	08/03/25 16:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115668	08/03/25 21:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115761	08/03/25 21:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			115959	08/05/25 20:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115529	07/31/25 14:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115840	08/05/25 20:32	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115694	08/04/25 08:25	SI	EET MID
Soluble	Analysis	300.0		1			115745	08/04/25 13:35	SMC	EET MID

Client Sample ID: SW 01
Date Collected: 08/01/25 12:01
Date Received: 08/01/25 15:53

Lab Sample ID: 890-8560-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	115648	08/03/25 16:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115668	08/03/25 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115761	08/03/25 21:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			115959	08/05/25 20:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115529	07/31/25 14:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115840	08/05/25 20:47	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	115694	08/04/25 08:25	SI	EET MID
Soluble	Analysis	300.0		1			115745	08/04/25 13:43	SMC	EET MID

Client Sample ID: FS 01
Date Collected: 07/31/25 14:37
Date Received: 08/01/25 15:53

Lab Sample ID: 890-8560-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	115648	08/03/25 16:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115668	08/03/25 22:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115761	08/03/25 22:03	SA	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Client Sample ID: FS 01

Date Collected: 07/31/25 14:37

Date Received: 08/01/25 15:53

Lab Sample ID: 890-8560-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115959	08/06/25 21:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115735	08/04/25 09:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115965	08/06/25 21:32	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115694	08/04/25 08:25	SI	EET MID
Soluble	Analysis	300.0		1			115745	08/04/25 13:50	SMC	EET MID

Client Sample ID: BF - CALICHE

Date Collected: 07/31/25 12:01

Date Received: 08/01/25 15:53

Lab Sample ID: 890-8560-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115648	08/03/25 16:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115668	08/03/25 23:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115761	08/03/25 23:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			115959	08/06/25 22:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115735	08/04/25 09:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115965	08/06/25 22:04	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115694	08/04/25 08:25	SI	EET MID
Soluble	Analysis	300.0		1			115745	08/04/25 13:58	SMC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum
Project/Site: PLU 201 FLOWLINE

Job ID: 890-8560-1
SDG: 03C1558707

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8560-1	FS 02	Solid	08/01/25 11:20	08/01/25 15:53	1
890-8560-2	FS 03	Solid	08/01/25 11:47	08/01/25 15:53	1
890-8560-3	SW 01	Solid	08/01/25 12:01	08/01/25 15:53	0-1
890-8560-4	FS 01	Solid	07/31/25 14:37	08/01/25 15:53	1
890-8560-5	BF - CALICHE	Solid	07/31/25 12:01	08/01/25 15:53	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

- 1
- 2
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- 4
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- 9
- 10
- 11
- 12
- 13
- 14



Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Ashley Holmes	Bill to: (if different)	XTO Energy, Inc
Company Name:	Ensokm, LLC	Company Name:	XTO Energy, Inc
Address:	601 N. Marion Field	Address:	3104 E. Greene St
City, State ZIP:	Midland TX 79701	City, State ZIP:	Carlsbad, NM, 88220
Phone:	(713) 817-1977	Email:	

Program:	UST/PST	PRP	Brownfields	RRC	Superfund
State of Project:					
Reporting:	Level II	Level III	PST/UST	TRRP	Level IV
Deliverables:	EDD	ADAPT	Other:		

Project Name:	PLU 201 Flowline	Turn Around		Pres. Code	
Project Number:	03C1558707	☒ Routine ☐ Rush			
Project Location:	32.230040, -102.230040	Due Date:			
Sampler Name:	Trevor Wargo	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					
SAMPLE RECEIPT					
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:	Wet Ice:	Yes ☒ No ☐	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:			
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Cont	# of Cont	Parameters	Preservative Codes	Sample Comments
FSO2	Soil	08/04/25	11:20	1	C	1	TPH 8015 OTEX 8021 Chloride 4500	None: NO Cool: Cool HCL: HC H2SO4: H2 H3PO4: HP NaHSO4: NABIS Na2S2O3: NaSO3 Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
FSO3									
FSO4									
FSO1									
BF-Caliche									

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8560-1

SDG Number: 03C1558707

Login Number: 8560

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8560-1

SDG Number: 03C1558707

Login Number: 8560

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 08/03/25 03:56 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



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

August 12, 2025

ASHLEY HOLMES

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 201 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 08/11/25 13:01.

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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 ASHLEY HOLMES
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/11/2025
 Reported: 08/12/2025
 Project Name: PLU 201 FLOWLINE
 Project Number: 03C1558707
 Project Location: XTO 32.229937, -103.911117

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: *** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS04 1' (H254917-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2025	ND	1.92	95.9	2.00	3.91	
Toluene*	<0.050	0.050	08/11/2025	ND	1.96	98.0	2.00	1.57	
Ethylbenzene*	<0.050	0.050	08/11/2025	ND	1.94	97.1	2.00	0.665	
Total Xylenes*	<0.150	0.150	08/11/2025	ND	5.74	95.6	6.00	0.920	
Total BTX	<0.300	0.300	08/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	288	16.0	08/12/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2025	ND	197	98.5	200	1.19	
DRO >C10-C28*	<10.0	10.0	08/11/2025	ND	195	97.3	200	0.339	
EXT DRO >C28-C36	<10.0	10.0	08/11/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				P.O. #:				BILL TO				ANALYSIS REQUEST			
Project Manager: Ashley Holmes				Company: XTO Energy, Inc											
Address: 601 N Martenfeld Street, Suite 400				Attn: Colton Brown											
City: Midland				State: TX				Zip: 79701							
Phone #: (713) 817-1947				Fax #:				City: Carlsbad				State: NM			
Project #: 0302558707				Project Owner: XTO Energy				State: NM				Zip: 88220			
Project Name: PLU 202 Flowline				- SPILLS				Phone #:							
Project Location: 32.229937, -103.911117				Fax #:											
Sampler Name: Trevor Wargo															

FOR LAB USE ONLY		LAB I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH 8015		BTX 8021		Chloride 4500	

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

QUESTIONS

Action 517962

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 517962
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2520446632
Incident Name	NAPP2520446632 PLU 201 @ K-07-24S-30E
Incident Type	Other
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	PLU 201
Date Release Discovered	07/21/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 2 BBL Recovered: 1 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 4 BBL Recovered: 1 BBL Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 517962

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 517962
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<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	<i>Not answered.</i>

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: NMEnvNotifications@exxonmobil.com Date: 10/20/2025
--	---

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QUESTIONS, Page 3

Action 517962

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 517962
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
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 1000 (ft.) and ½ (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	Between 300 and 500 (ft.)
Any other fresh water well or spring	Between 300 and 500 (ft.)
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	Between 1 and 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	Yes

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<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)	434
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	07/31/2025
On what date will (or did) the final sampling or liner inspection occur	08/11/2025
On what date will (or was) the remediation complete(d)	08/11/2025
What is the estimated surface area (in square feet) that will be reclaimed	670
What is the estimated volume (in cubic yards) that will be reclaimed	15
What is the estimated surface area (in square feet) that will be remediated	670
What is the estimated volume (in cubic yards) that will be remediated	15

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, Page 4

Action 517962

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 517962
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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)	Not answered.
<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: 10/20/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 517962

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 517962
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 517962

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 517962
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	492809
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/12/2025
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	1600

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	670
What was the total volume (cubic yards) remediated	15
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	670
What was the total volume (in cubic yards) reclaimed	15
Summarize any additional remediation activities not included by answers (above)	Site assessment and excavation activities were conducted at the Site to address the July 21, 2025, release of crude oil and produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement. Based on the soil sample analytical results, no further remediation was required. XTO backfilled the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. The release and excavation areas were located within Gavilan Road so reseeding of the area will occur following the lease road abandonment. Excavation of impacted soil has mitigated potential impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 10/20/2025
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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, Page 7

Action 517962

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 517962
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 517962

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	10/22/2025