



November 24, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
Big Sinks 22 Fed Battery
Incident Number nAPP2518855012
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 the findings of a liner integrity inspection and delineation activities completed at the Big Sinks 22 Fed Battery (Site) following a release of produced water within a 1,945 square foot earthen berm, lined containment housing multiple steel tanks, horizontal separators, and process piping. Based on the liner integrity inspection and delineation activities, XTO is submitting this *Closure Request*, describing liner integrity inspection and delineation activities that have occurred and requesting no further action for Incident Number nAPP2518855012.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 22, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.196609°, -103.862052°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On July 3, 2025, a corroded fire tube at the heater treater resulted in the release of approximately 10 barrels (bbls) of produced water into a lined containment. A vacuum truck was dispatched to the Site to recover free-standing fluids, and all released fluid was recovered. The fire tube was repaired and returned to service and the lined containment was power washed to remove any residual fluids. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) on July 7, 2025, and submitted an Initial C-141 Application (C-141) on July 23, 2025. The release was assigned Incident Number nAPP2518855012.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. On August 3, 2023, a soil boring (C-04761) permitted by New Mexico Office of the State Engineer (NMOSE) was advanced approximately 0.27 miles southwest of the Site. The soil boring was drilled to a total depth of 110 feet

XTO Energy, Inc.
Closure Request
Big Sinks 22 Fed Battery

bgs. No groundwater was encountered during drilling activities. All wells used for depth to groundwater determination are presented on Figure 1. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash located approximately 2,800 feet north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

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

LINER INTEGRITY INSPECTION ACTIVITIES

The location of the lined containment is depicted on Figure 2. The lined containment was cleaned of all debris, power washed and a 48-hour advanced notice of the liner inspection was submitted to the NMOCD on August 21, 2025. On August 26, 2025, the lined containment was inspected by Ensolum personnel and was determined to contain a small grouping of tears located near process piping and a horizontal separator. No other tears were located on the walls or remaining liner floor. Delineation to determine the extent of the release was warranted. Photographic documentation of the inspection is included in Appendix B.

DELINEATION SOIL SAMPLING ACTIVITIES

On September 25 and September 30, 2025, Ensolum personnel were at the Site to conduct delineation activities. Four delineation soil samples (SS01 through SS04) were collected around the lined containment from a depth of approximately 0.5 feet bgs to confirm the release remained within the lined containment walls. One borehole, BH01, was advanced via hand auger to a terminal depth of 1-foot bgs in the central location of the tears in the liner a safe distance from the active production equipment, horizontal separators, and process piping. Discrete delineation soil samples were collected from the borehole at depths of 0.5 feet and 1-foot bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations were logged on lithologic soil sampling logs, which are included in Appendix C. The delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the Site location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New



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Mexico or Eurofins Carlsbad (Eurofins) in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500 or EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Delineation soil samples SS01 through SS04 indicated all COCs were in compliance with the strictest Table I Closure Criteria, successfully confirming the release did not breach the walls of the lined containment. Laboratory analytical results for all delineation soil samples collected from BH01 indicated all COCs were in compliance with the strictest Table I Closure Criteria, successfully confirming the absence of impacted soil located beneath the observed tears in the liner. Laboratory analytical results are summarized in Table 1 and the laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Liner integrity inspection and delineation activities were conducted at the Site following the July 3, 2025, release of produced water. Laboratory analytical results for the delineation soil samples, collected in the liner tear and around the lined containment, indicated all COC concentrations were compliant with the strictest Table I Closure Criteria. The liner tears where BH01 was advanced, were immediately patched following the completion of delineation activities to restore spill control measures.

Delineation at the Site confirmed the absence of impacted and waste-containing soil. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. Based on initial response efforts and the liner operating as designed, XTO respectfully requests closure for Incident Number nAPP2518855012.

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

Sincerely,
Ensolum, LLC

Kim Thomason

Kim Thomason
Senior Technician

TMorrissey

Tacoma Morrissey, M.S.
Associate Principal

Cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

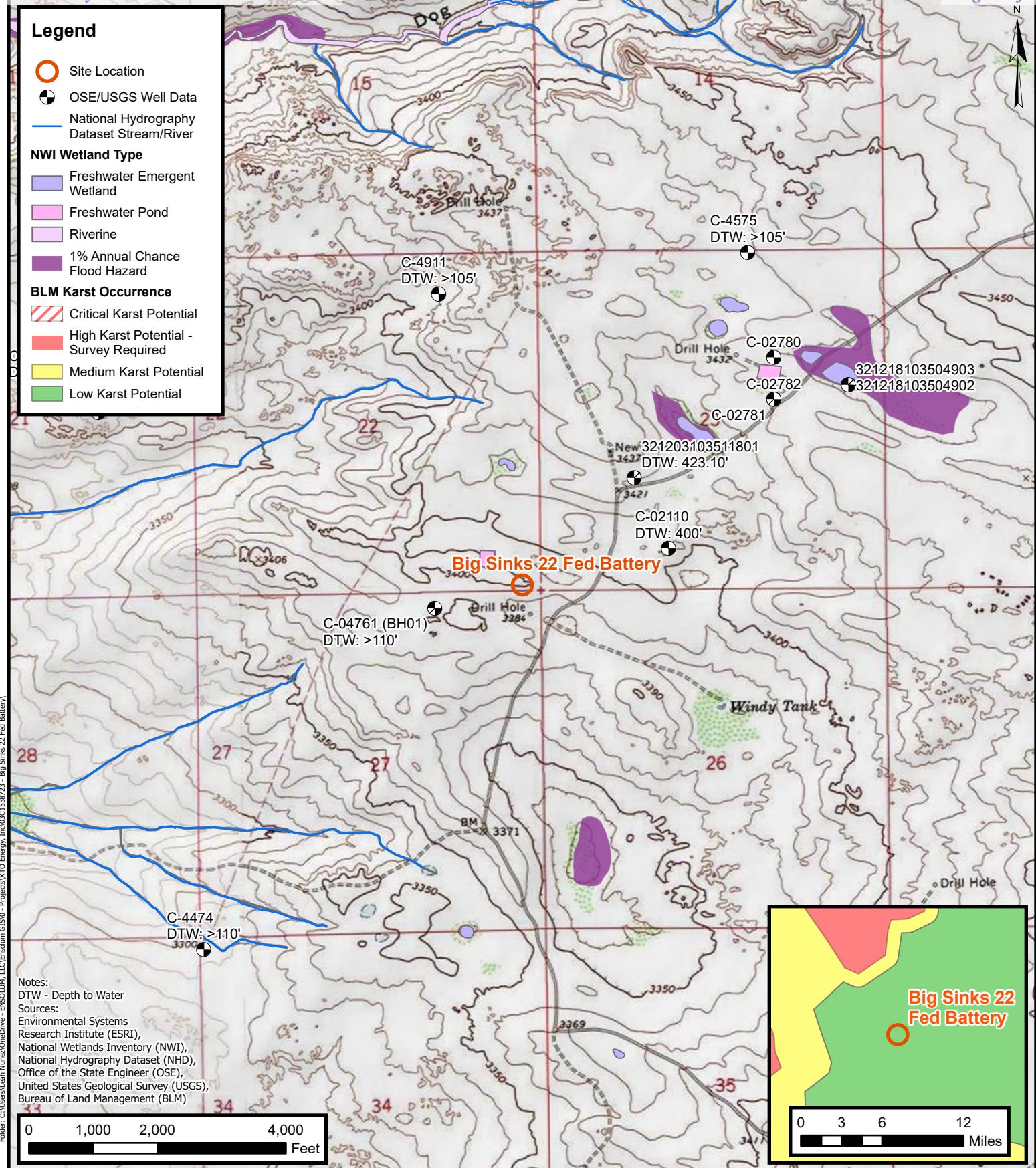
Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Table 1 Soil Sample Analytical Results
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Lithologic Soil Sampling Logs
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix E Volume Calculation and NMOCD Correspondence





FIGURES



Site Receptor Map

XTO Energy, Inc
 Big Sinks 22 Fed Battery
 Incident Number: nAPP2518855012
 Unit P, Section 22, T 24S, R 30E
 Eddy County, New Mexico

FIGURE
1

N

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Lined Containment



Environmental, Engineering and
Hydrogeologic Consultants

Delineation Soil Sample Locations

XTO Energy, Inc.
Big Sinks 22 Fed Battery
Incident Number: nAPP2518855012
Unit P, Section 22, T 24S, R 30E
Eddy County, New Mexico

FIGURE
2



TABLE



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Big Sinks 22 Fed Battery
XTO Energy, Inc.
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	09/30/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	384
SS02	09/30/2025	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	118
SS03	09/30/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	570
SS04	09/30/2025	0.5	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	<50.1	61.3
BH01	09/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH01A	09/25/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

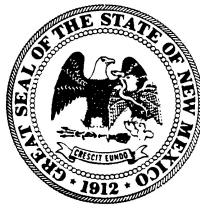
TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO

PAGE 2 OF 2



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc.
Big Sinks 22 Fed Battery
Incident Number nAPP2518855012



Photograph 1

Date: July 3, 2025

Description: View of the initial release facing southwest



Photograph 2

Date: August 26, 2025

Description: View of facility sign



Photographic Log

XTO Energy, Inc.
Big Sinks 22 Fed Battery
Incident Number nAPP2518855012



Photograph: 3

Date: 8/26/2025

Description: Liner inspection activities

View: Southwest



Photograph: 4

Date: 8/26/2025

Description: Liner inspection activities

View: Southwest



Photograph: 5

Date: 8/26/2025

Description: Liner inspection activities

View: Northwest



Photograph: 6

Date: 8/26/2025

Description: Location of small tears in liner

View: Northwest



Photographic Log

XTO Energy, Inc.
Big Sinks 22 Fed Battery
Incident Number nAPP2518855012

Date & Time: Tue, Aug 26, 2025 at 12:35:57 MDT
Position: 32° 19.6641' N / 103° 8.6201' W ±3m ±3m
Altitude: 3455ft ±9.8ft
Datum: WGS-84
Azimuth/Bearing: 272° N86W 5298m ±3m True ±11°
Elevation Angle: 25.1°
Horizon Angle: -00.1°
Zoom: 0.5X



Photograph: 7

Date: 8/26/2025

Description: Liner inspection activites

View: Northwest

Date & Time: Tue, Aug 26, 2025 at 12:56:12 MDT
Position: 32° 19.692' N / 103° 8.61989' W ±3m ±3m
Altitude: 3455ft ±9.8ft
Datum: WGS-84
Azimuth/Bearing: 228° N86W 5298m ±3m True ±11°
Elevation Angle: 25.3°
Horizon Angle: -00.1°
Zoom: 0.5X



Photograph: 8

Date: 8/26/2025

Description: Liner inspection activities

View: Northwest

W 270 300 NW 330 0 N
315°NW (T) • 32.196602, -103.862065 ±3m ▲ 1013m



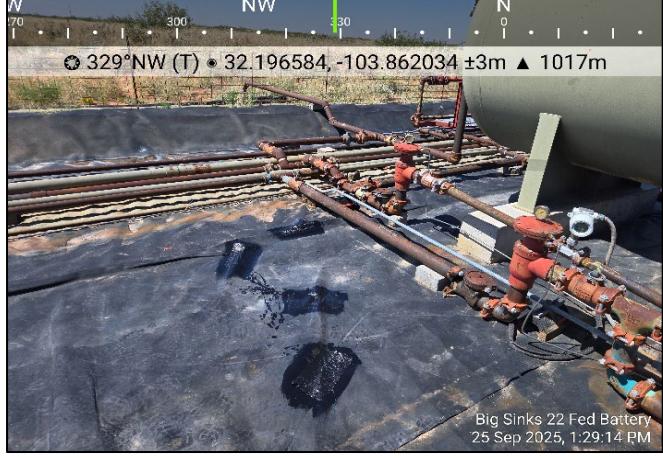
Photograph: 9

Date: 9/25/2025

Description: Delineation activities (BH01)

View: Northwest

W 270 300 NW 330 0 N
329°NW (T) • 32.196584, -103.862034 ±3m ▲ 1017m



Photograph: 10

Date: 9/25/2025

Description: Patched liner in location of BH01

View: Northwest

**Photographic Log**

XTO Energy, Inc.
Big Sinks 22 Fed Battery
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Photograph: 11

Date: 9/30/2025

Description: Lateral delineation sampling (SS01)

View: Southeast



Photograph: 12

Date: 9/30/2025

Description: Lateral delineation sampling (SS02)

View: North



Photograph: 13

Date: 9/30/2025

Description: Lateral delineation sampling (SS03)

View: North



Photograph: 14

Date: 9/30/2025

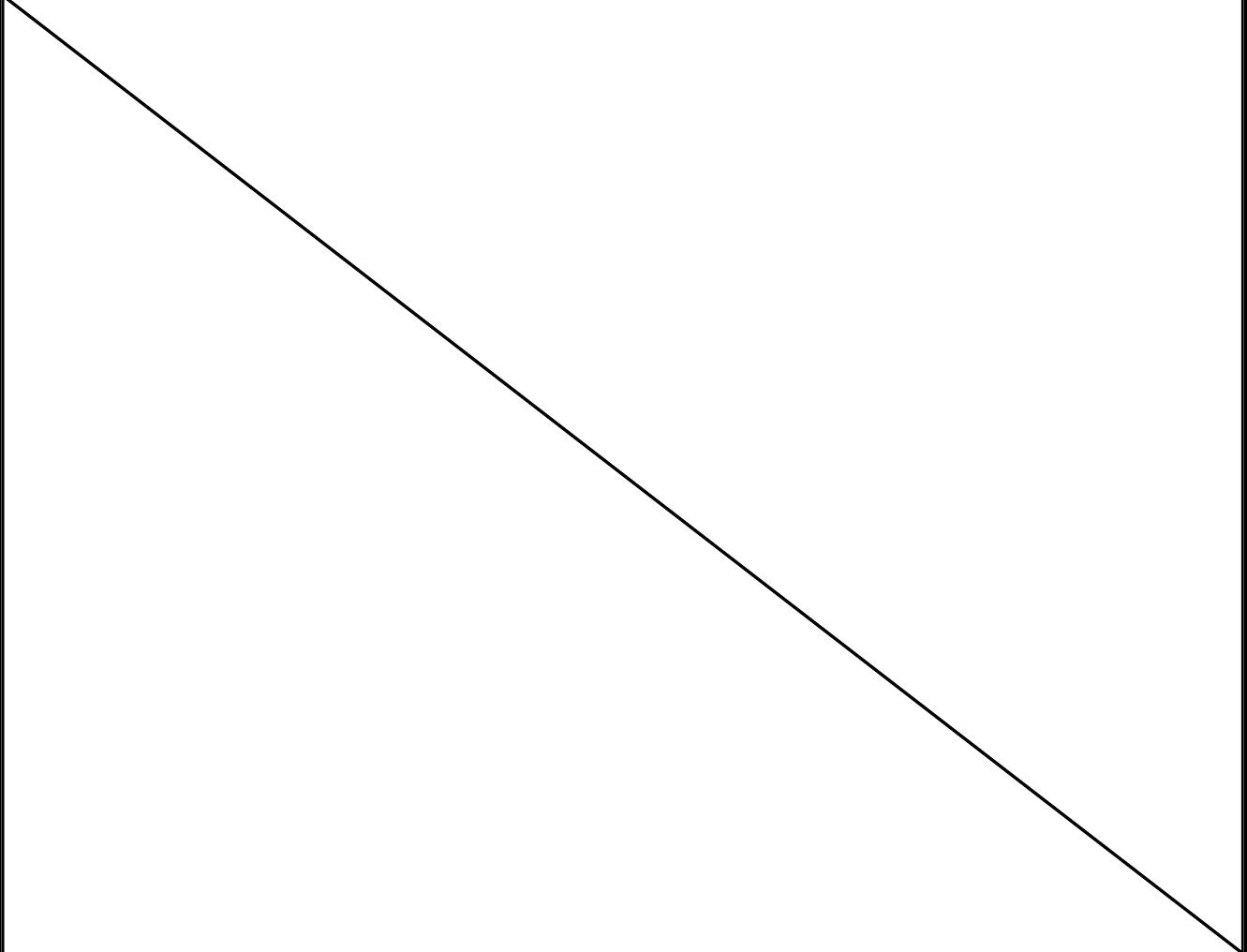
Description: Lateral delineation sampling (SS04)

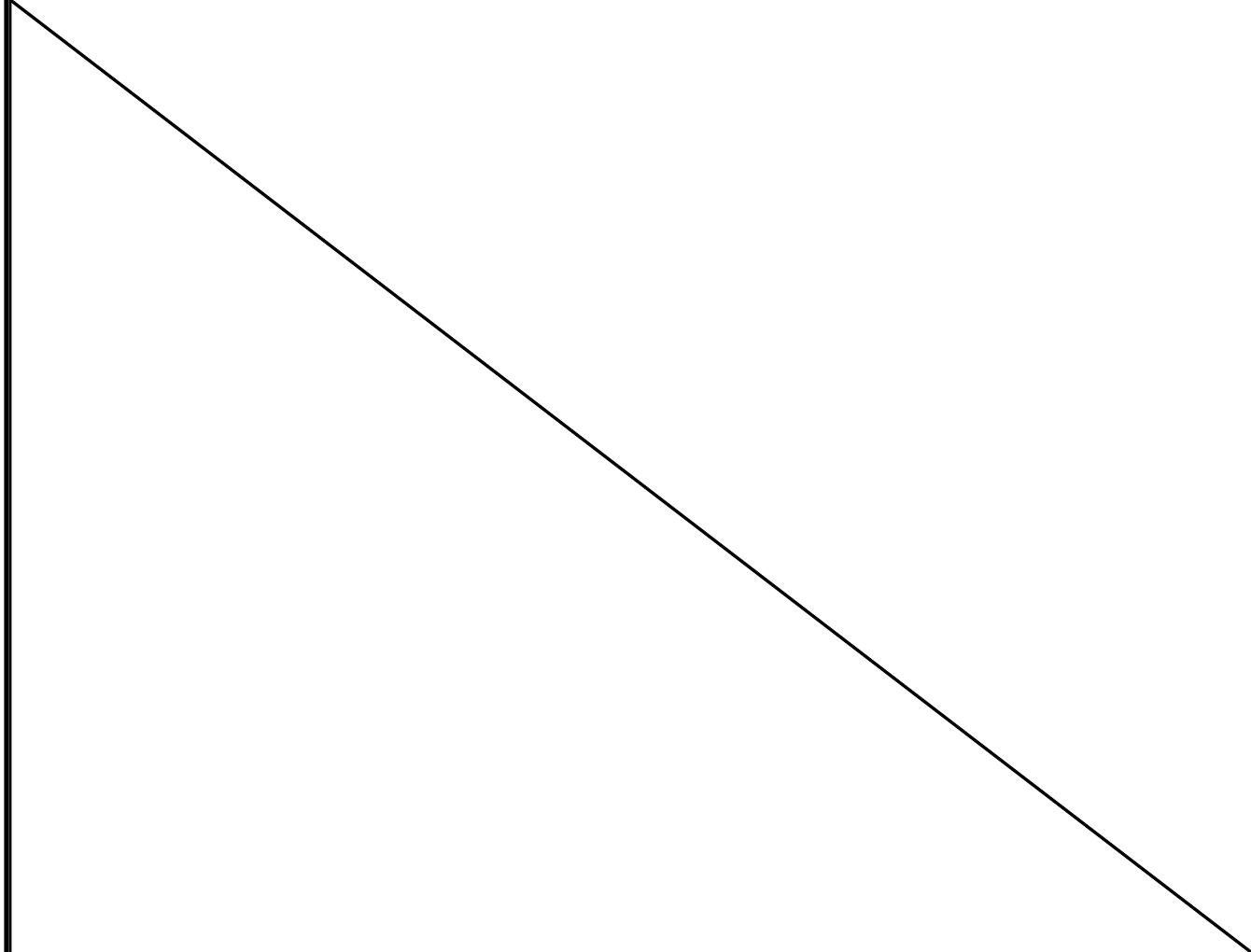
View: Southeast

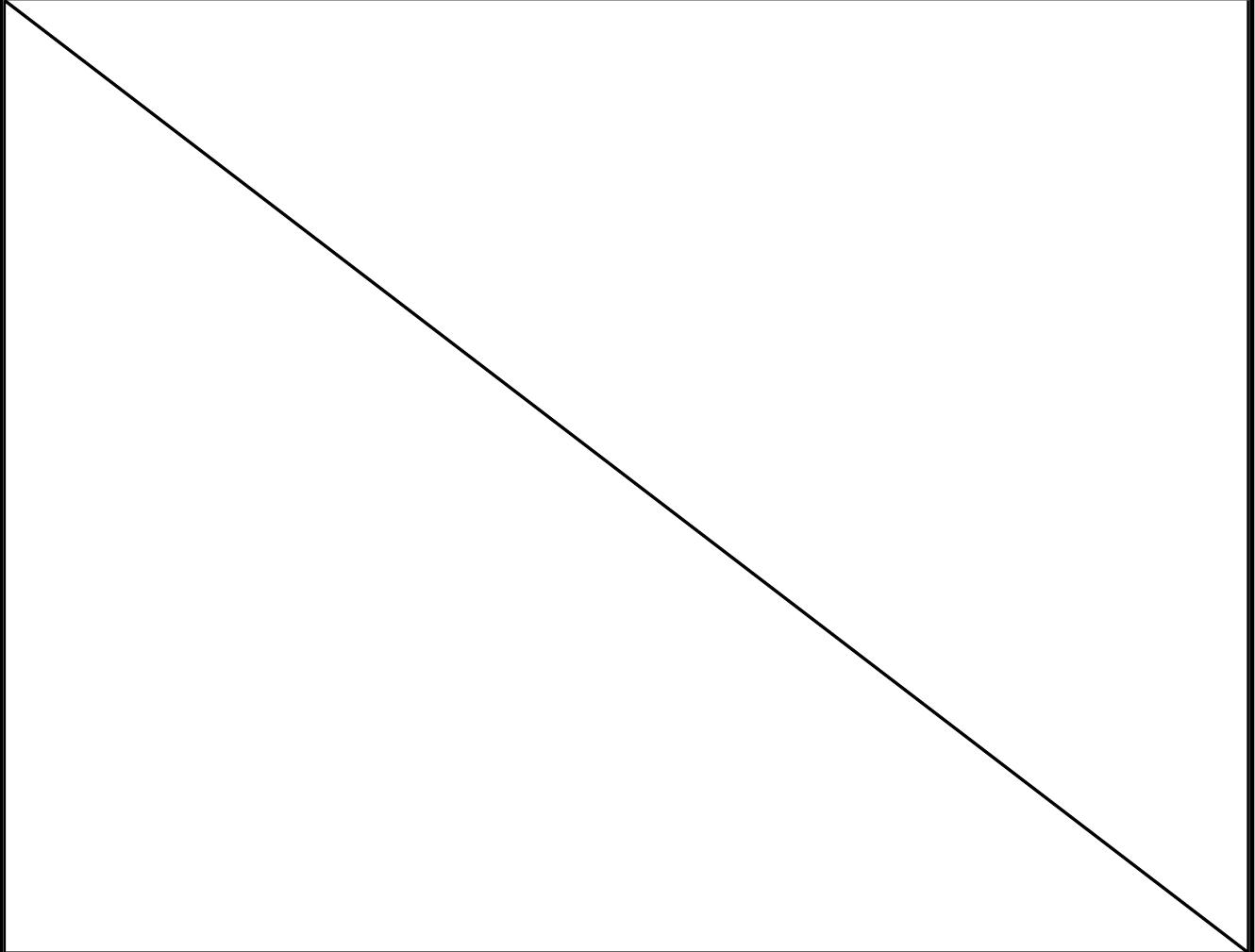


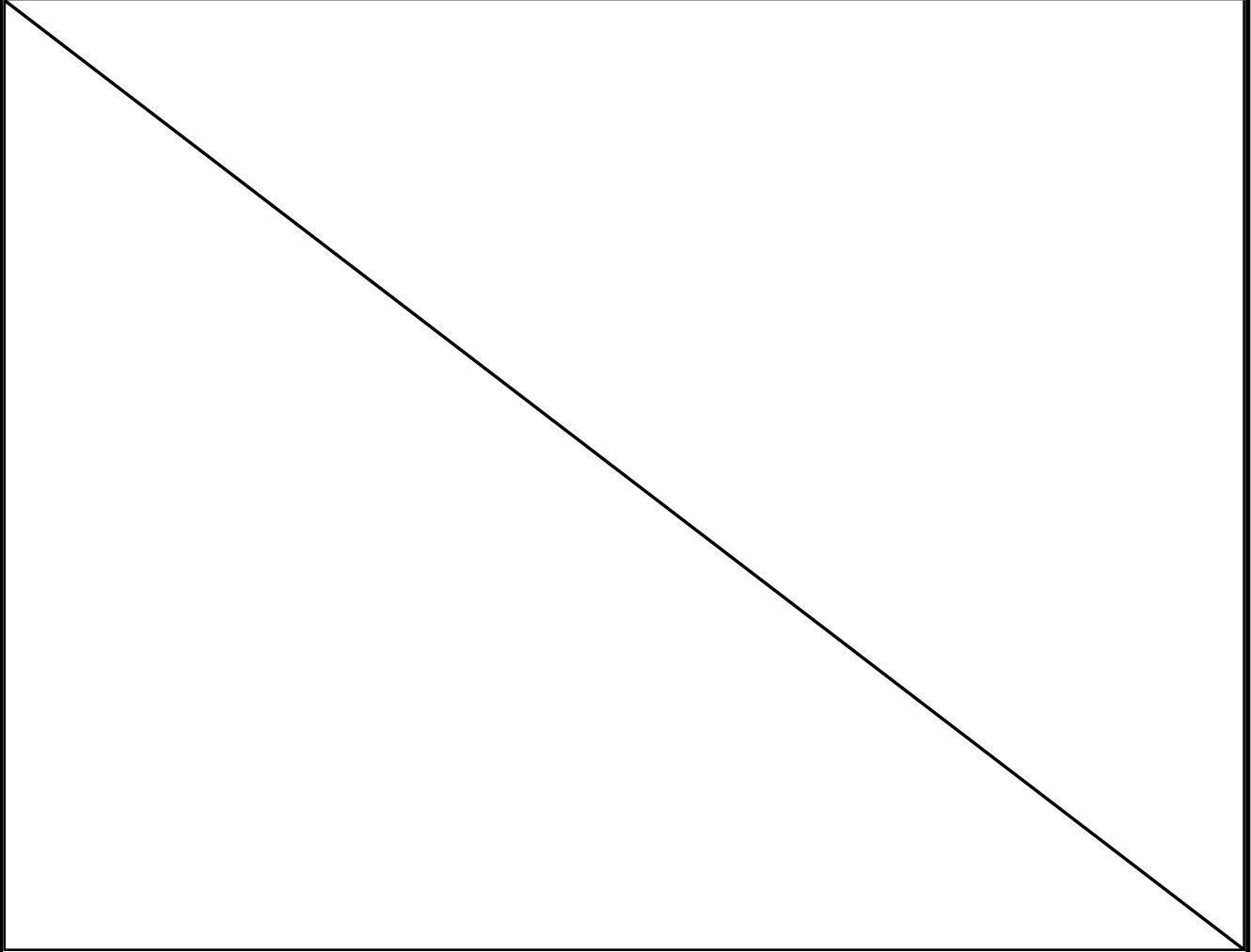
APPENDIX C

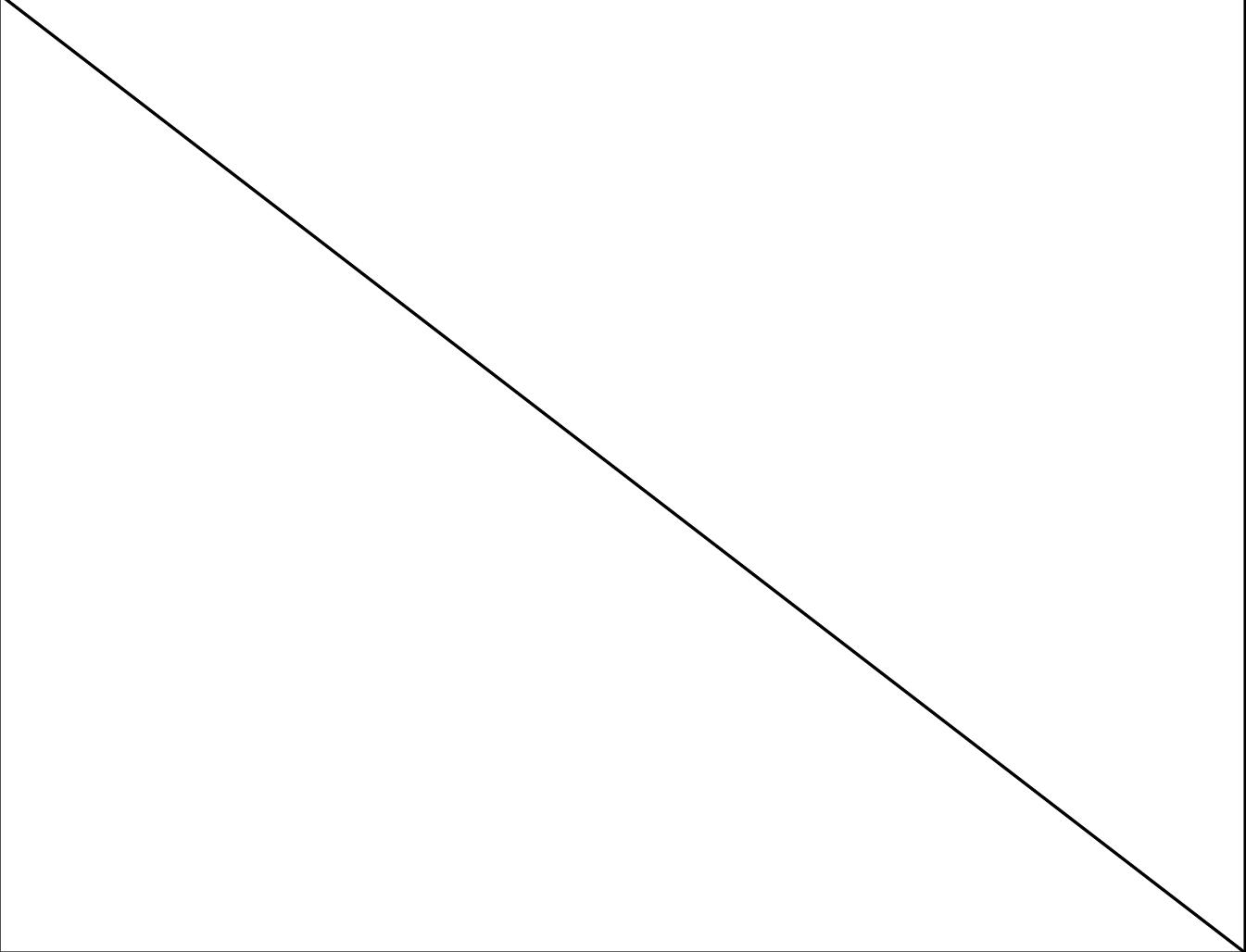
Lithologic Soil Sampling Logs

 ENSOLUM								Sample Name: BH01	Date: 09/25/2025						
								Site Name: Big Sinks 22 Fed Battery							
								Incident Number: nAPP2518855012							
								Job Number: 03C1558723							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JD	Method: Hand Auger						
Coordinates: 32.196582, -103.862038								Hole Diameter: 4"	Total Depth: 1'						
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included. D-Dry; N-No															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions							
M	<168	0.0	N	BH01	0.5	0	CL	Clay, red, cohesive, no staining, no odor							
D	<168	0.0	N	BH01A	1	0.5	CCHE	Tan caliche with silt, non-cohesive, no staining, no odor							
Total depth 1 ft bgs															
															

 ENSOLUM								Sample Name: SS01	Date: 09/30/2025
								Site Name: Big Sinks 22 Fed Battery	
								Incident Number: nAPP2518855012	
								Job Number: 03C1558723	
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JD	Method: Hand Auger
Coordinates: 32.196741, -103.862039								Hole Diameter: 4"	Total Depth: 0.5'
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included. D-Dry; N-No									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D	224	0.3	N	SS01	0.5	0 0.5	SP	Reddish sand, poorly graded, no staining, no odor	
Total depth 0.5 ft bgs									
									

 ENSOLUM							Sample Name: SS02	Date: 09/30/2025
							Site Name: Big Sinks 22 Fed Battery	
							Incident Number: nAPP2518855012	
							Job Number: 03C1558723	
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: JD	Method: Hand Auger
Coordinates: 32.196666, -103.861973							Hole Diameter: 4"	Total Depth: 0.5'
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included. D-Dry; N-No								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	246.4	0.0	N	SS02	0.5	0 0.5	SP	Reddish sand, poorly graded, no staining, no odor
Total depth 0.5 ft bgs								
								

 ENSOLUM							Sample Name: SS03	Date: 09/30/2025
							Site Name: Big Sinks 22 Fed Battery	
							Incident Number: nAPP2518855012	
							Job Number: 03C1558723	
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: JD	Method: Hand Auger
Coordinates: 32.196477, -103.862047							Hole Diameter: 4"	Total Depth: 0.5'
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included. D-Dry; N-No								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<168	0.0	N	SS03	0.5	0 0.5	SP	Reddish sand, poorly graded, no staining, no odor
Total depth 0.5 ft bgs								
								

 ENSOLUM							Sample Name: SS04	Date: 09/30/2025					
							Site Name: Big Sinks 22 Fed Battery						
							Incident Number: nAPP2518855012						
							Job Number: 03C1558723						
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: JD	Method: Hand Auger					
Coordinates: 32.196616, -103.862142							Hole Diameter: 4"	Total Depth: 0.5'					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included. D-Dry; N-No													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
D	<168	0.0	N	SS04	0.5	0 0.5	SP	Reddish sand, poorly graded, no staining, no odor					
Total depth 0.5 ft bgs													
													



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

September 29, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BIG SINKS 22 FED BATTERY - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 09/26/25 11:09.

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:

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

Received:	09/26/2025	Sampling Date:	09/25/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	BIG SINKS 22 FED BATTERY - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558723	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.19642-103.86117		

Sample ID: BH01 .5' (H256039-01)

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	09/26/2025	ND	1.92	95.9	2.00	0.925	
Toluene*		<0.050	0.050	09/26/2025	ND	1.89	94.6	2.00	1.22	
Ethylbenzene*		<0.050	0.050	09/26/2025	ND	1.84	92.1	2.00	1.65	
Total Xylenes*		<0.150	0.150	09/26/2025	ND	5.39	89.9	6.00	1.62	
Total BTEX		<0.300	0.300	09/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		48.0	16.0	09/26/2025	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	09/29/2025	ND	194	96.8	200	1.32	
DRO >C10-C28*		<10.0	10.0	09/29/2025	ND	204	102	200	5.34	
EXT DRO >C28-C36		<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.6 % 39.9-141

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:

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

Received: 09/26/2025 Sampling Date: 09/25/2025
 Reported: 09/29/2025 Sampling Type: Soil
 Project Name: BIG SINKS 22 FED BATTERY - SPILLS Sampling Condition: Cool & Intact
 Project Number: 03C1558723 Sample Received By: Alyssa Parras
 Project Location: XTO 32.19642-103.86117

Sample ID: BH01 1' (H256039-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2025	ND	1.92	95.9	2.00	0.925		
Toluene*	<0.050	0.050	09/26/2025	ND	1.89	94.6	2.00	1.22		
Ethylbenzene*	<0.050	0.050	09/26/2025	ND	1.84	92.1	2.00	1.65		
Total Xylenes*	<0.150	0.150	09/26/2025	ND	5.39	89.9	6.00	1.62		
Total BTEX	<0.300	0.300	09/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/26/2025	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	09/27/2025	ND	194	96.8	200	1.32		
DRO >C10-C28*	<10.0	10.0	09/27/2025	ND	204	102	200	5.34		
EXT DRO >C28-C36	<10.0	10.0	09/27/2025	ND						

Surrogate: 1-Chlorooctane 97.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.4 % 39.9-141

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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

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 that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tracy Hillard

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 10/2/2025 1:43:17 PM

JOB DESCRIPTION

BIG SINKS 22 FED BATTERY

03C1558723

JOB NUMBER

890-8893-1

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



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

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Laboratory Job ID: 890-8893-1
 SDG: 03C1558723

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Definitions/Glossary

Client: Ensolum

Job ID: 890-8893-1

Project/Site: BIG SINKS 22 FED BATTERY

SDG: 03C1558723

Qualifiers

GC VOA

Qualifier	Qualifier Description
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
MQL	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

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Case Narrative

Client: Ensolum
 Project: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1

Job ID: 890-8893-1**Eurofins Carlsbad****Job Narrative
890-8893-1**

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 9/30/2025 4:49 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 5.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-8893-1), SS 02 (890-8893-2), SS 03 (890-8893-3) and SS 04 (890-8893-4).

GC VOA

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.

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Client Sample Results

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

Client Sample ID: SS 01

Lab Sample ID: 890-8893-1

Matrix: Solid

Date Collected: 09/30/25 09:46

Date Received: 09/30/25 16:49

Sample Depth: 0.5

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		10/02/25 09:16	10/02/25 13:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/02/25 09:16	10/02/25 13:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/02/25 09:16	10/02/25 13:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		10/02/25 09:16	10/02/25 13:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/02/25 09:16	10/02/25 13:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/02/25 09:16	10/02/25 13:04	1
Surrogate		%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		103		70 - 130		10/02/25 09:16	10/02/25 13:04	1
1,4-Difluorobenzene (Surr)		103		70 - 130		10/02/25 09:16	10/02/25 13:04	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			10/02/25 13:04	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			10/02/25 10:13	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		10/02/25 08:05	10/02/25 10:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/02/25 08:05	10/02/25 10:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/02/25 08:05	10/02/25 10:13	1
Surrogate								
1-Chlorooctane								1
o-Terphenyl								1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	384		9.94	mg/Kg			10/02/25 11:08	1

Client Sample ID: SS 02

Lab Sample ID: 890-8893-2

Matrix: Solid

Date Collected: 09/30/25 14:55

Date Received: 09/30/25 16:49

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		10/02/25 09:16	10/02/25 13:25	1
Toluene	<0.00202	U	0.00202	mg/Kg		10/02/25 09:16	10/02/25 13:25	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		10/02/25 09:16	10/02/25 13:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		10/02/25 09:16	10/02/25 13:25	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		10/02/25 09:16	10/02/25 13:25	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		10/02/25 09:16	10/02/25 13:25	1
Surrogate		%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		100		70 - 130		10/02/25 09:16	10/02/25 13:25	1

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Client Sample Results

Client: Ensolum
Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
SDG: 03C1558723

Client Sample ID: SS 02
Date Collected: 09/30/25 14:55
Date Received: 09/30/25 16:49
Sample Depth: 0.5

Lab Sample ID: 890-8893-2
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	10/02/25 09:16	10/02/25 13:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			10/02/25 13:25	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			10/02/25 11:01	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		10/02/25 08:05	10/02/25 11:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/02/25 08:05	10/02/25 11:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/02/25 08:05	10/02/25 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	10/02/25 08:05	10/02/25 11:01	1
o-Terphenyl	112		70 - 130	10/02/25 08:05	10/02/25 11:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		9.92	mg/Kg			10/02/25 11:14	1

Client Sample ID: SS 03**Lab Sample ID: 890-8893-3**

Date Collected: 09/30/25 10:44

Matrix: Solid

Date Received: 09/30/25 16:49

Sample Depth: 0.5

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		10/02/25 09:16	10/02/25 13:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/02/25 09:16	10/02/25 13:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/02/25 09:16	10/02/25 13:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		10/02/25 09:16	10/02/25 13:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/02/25 09:16	10/02/25 13:45	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		10/02/25 09:16	10/02/25 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/02/25 09:16	10/02/25 13:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/02/25 09:16	10/02/25 13:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/02/25 13:45	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			10/02/25 10:13	1

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Client Sample Results

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

Client Sample ID: SS 03

Lab Sample ID: 890-8893-3

Matrix: Solid

Date Collected: 09/30/25 10:44

Date Received: 09/30/25 16:49

Sample Depth: 0.5

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		10/02/25 08:07	10/02/25 10:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/02/25 08:07	10/02/25 10:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/02/25 08:07	10/02/25 10:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			10/02/25 08:07	10/02/25 10:13	1
o-Terphenyl	99		70 - 130			10/02/25 08:07	10/02/25 10:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		9.98	mg/Kg			10/02/25 11:31	1

Client Sample ID: SS 04

Lab Sample ID: 890-8893-4

Matrix: Solid

Date Collected: 09/30/25 10:12

Date Received: 09/30/25 16:49

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		10/02/25 09:16	10/02/25 14:05	1
Toluene	<0.00202	U	0.00202	mg/Kg		10/02/25 09:16	10/02/25 14:05	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		10/02/25 09:16	10/02/25 14:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		10/02/25 09:16	10/02/25 14:05	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		10/02/25 09:16	10/02/25 14:05	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		10/02/25 09:16	10/02/25 14:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			10/02/25 09:16	10/02/25 14:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/25 09:16	10/02/25 14:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			10/02/25 14:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			10/02/25 11:01	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	<50.1	U	50.1	mg/Kg		10/02/25 08:07	10/02/25 11:01	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		10/02/25 08:07	10/02/25 11:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		10/02/25 08:07	10/02/25 11:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			10/02/25 08:07	10/02/25 11:01	1
o-Terphenyl	99		70 - 130			10/02/25 08:07	10/02/25 11:01	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

Client Sample ID: SS 04
 Date Collected: 09/30/25 10:12
 Date Received: 09/30/25 16:49
 Sample Depth: 0.5

Lab Sample ID: 890-8893-4
 Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3		9.96	mg/Kg			10/02/25 11:37	1

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Surrogate Summary

Client: Ensolum

Job ID: 890-8893-1

Project/Site: BIG SINKS 22 FED BATTERY

SDG: 03C1558723

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-8893-1	SS 01	103	103
890-8893-1 MS	SS 01	97	98
890-8893-1 MSD	SS 01	79	113
890-8893-2	SS 02	100	106
890-8893-3	SS 03	99	102
890-8893-4	SS 04	94	103
LCS 880-120288/1-A	Lab Control Sample	102	99
LCSD 880-120288/2-A	Lab Control Sample Dup	103	95
MB 880-120288/5-A	Method Blank	94	97

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8893-1	SS 01	86	115
890-8893-1 MS	SS 01	90	104
890-8893-1 MSD	SS 01	90	102
890-8893-2	SS 02	89	112
890-8893-3	SS 03	90	99
890-8893-3 MS	SS 03	95	95
890-8893-3 MSD	SS 03	96	95
890-8893-4	SS 04	92	99
LCS 880-120258/2-A	Lab Control Sample	83	96
LCS 880-120259/2-A	Lab Control Sample	99	99
LCSD 880-120258/3-A	Lab Control Sample Dup	91	103
LCSD 880-120259/3-A	Lab Control Sample Dup	98	102
MB 880-120258/1-A	Method Blank	94	121
MB 880-120259/1-A	Method Blank	104	111

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
SDG: 03C1558723

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120288/5-A

Matrix: Solid

Analysis Batch: 120261

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120288

Analyte	MB	MB	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Benzene	<0.00200	U	0.00200		mg/Kg	10/02/25 09:16		10/02/25 12:43		1
Toluene	<0.00200	U	0.00200		mg/Kg	10/02/25 09:16		10/02/25 12:43		1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg	10/02/25 09:16		10/02/25 12:43		1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg	10/02/25 09:16		10/02/25 12:43		1
o-Xylene	<0.00200	U	0.00200		mg/Kg	10/02/25 09:16		10/02/25 12:43		1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg	10/02/25 09:16		10/02/25 12:43		1
Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
	Result	Qualifier								
4-Bromofluorobenzene (Surr)	94		70 - 130			10/02/25 09:16		10/02/25 12:43		1
1,4-Difluorobenzene (Surr)	97		70 - 130			10/02/25 09:16		10/02/25 12:43		1

Lab Sample ID: LCS 880-120288/1-A

Matrix: Solid

Analysis Batch: 120261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120288

Analyte	Spikes	LCS	LCS	Result	Qualifier	Unit	D	%Rec	Limits	
	Added	Result	Qualifier							
Benzene	0.100	0.09525		mg/Kg				95	70 - 130	
Toluene	0.100	0.09372		mg/Kg				94	70 - 130	
Ethylbenzene	0.100	0.09640		mg/Kg				96	70 - 130	
m-Xylene & p-Xylene	0.200	0.1904		mg/Kg				95	70 - 130	
o-Xylene	0.100	0.09814		mg/Kg				98	70 - 130	
Surrogate	LCS	LCS	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
	Result	Qualifier								
4-Bromofluorobenzene (Surr)	102		70 - 130							
1,4-Difluorobenzene (Surr)	99		70 - 130							

Lab Sample ID: LCSD 880-120288/2-A

Matrix: Solid

Analysis Batch: 120261

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 120288

Analyte	Spikes	LCSD	LCSD	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Added	Result	Qualifier								
Benzene	0.100	0.09524		mg/Kg				95	70 - 130	0	35
Toluene	0.100	0.09381		mg/Kg				94	70 - 130	0	35
Ethylbenzene	0.100	0.09570		mg/Kg				96	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1903		mg/Kg				95	70 - 130	0	35
o-Xylene	0.100	0.09287		mg/Kg				93	70 - 130	6	35
Surrogate	LCSD	LCSD	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
	Result	Qualifier									
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: 890-8893-1 MS

Matrix: Solid

Analysis Batch: 120261

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 120288

Analyte	Sample	Sample	Spikes	MS	MS	Result	Qualifier	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier						
Benzene	<0.00199	U	0.100	0.07965		mg/Kg			80	70 - 130	
Toluene	<0.00199	U	0.100	0.07845		mg/Kg			78	70 - 130	

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QC Sample Results

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

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

Lab Sample ID: 890-8893-1 MS

Matrix: Solid

Analysis Batch: 120261

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 120288

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	<0.00199	U	0.100	0.08148		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1616		mg/Kg		81	70 - 130
o-Xylene	<0.00199	U	0.100	0.07909		mg/Kg		79	70 - 130

Surrogate	MS	MS	%Recovery	Qualifier	Limits
	Recovery	Qualifier			
4-Bromofluorobenzene (Surr)	97		70 - 130		
1,4-Difluorobenzene (Surr)	98		70 - 130		

Lab Sample ID: 890-8893-1 MSD

Matrix: Solid

Analysis Batch: 120261

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 120288

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<0.00199	U	0.100	0.1072		mg/Kg		107	70 - 130
Toluene	<0.00199	U	0.100	0.08126		mg/Kg		81	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.07953		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1488		mg/Kg		74	70 - 130
o-Xylene	<0.00199	U	0.100	0.07315		mg/Kg		73	70 - 130

Surrogate	MSD	MSD	%Recovery	Qualifier	Limits
	Recovery	Qualifier			
4-Bromofluorobenzene (Surr)	79		70 - 130		
1,4-Difluorobenzene (Surr)	113		70 - 130		

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

Lab Sample ID: MB 880-120258/1-A

Matrix: Solid

Analysis Batch: 120282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120258

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/02/25 08:05	10/02/25 04:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/02/25 08:05	10/02/25 04:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/02/25 08:05	10/02/25 04:32	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Recovery	Qualifier						
1-Chlorooctane	94		70 - 130			10/02/25 08:05	10/02/25 04:32	1
o-Terphenyl	121		70 - 130			10/02/25 08:05	10/02/25 04:32	1

Lab Sample ID: LCS 880-120258/2-A

Matrix: Solid

Analysis Batch: 120282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120258

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	708.4		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	1000	834.5		mg/Kg		83	70 - 130

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QC Sample Results

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

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

Lab Sample ID: LCS 880-120258/2-A

Matrix: Solid

Analysis Batch: 120282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120258

Surrogate	LCS	LCS	
	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
<i>o</i> -Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-120258/3-A

Matrix: Solid

Analysis Batch: 120282

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 120258

Analyte		Spike	LCSD	LCSD			%Rec	RPD
		Added	Result	Qualifier	Unit	D	Limits	Limit
Gasoline Range Organics (GRO)-C6-C10		1000	820.6		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)		1000	904.3		mg/Kg		90	70 - 130
Surrogate								
1-Chlorooctane	91		70 - 130					
<i>o</i> -Terphenyl	103		70 - 130					

Lab Sample ID: 890-8893-1 MS

Matrix: Solid

Analysis Batch: 120282

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 120258

Analyte	Sample	Sample	Spike	MS	MS		%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	764.1		mg/Kg		70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	798.3		mg/Kg		70 - 130
Surrogate								
1-Chlorooctane	90		70 - 130					
<i>o</i> -Terphenyl	104		70 - 130					

Lab Sample ID: 890-8893-1 MSD

Matrix: Solid

Analysis Batch: 120282

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 120258

Analyte	Sample	Sample	Spike	MSD	MSD		%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	737.9		mg/Kg		70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	735.7		mg/Kg		70 - 130
Surrogate								
1-Chlorooctane	90		70 - 130					
<i>o</i> -Terphenyl	102		70 - 130					

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QC Sample Results

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

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

Lab Sample ID: MB 880-120259/1-A

Matrix: Solid

Analysis Batch: 120284

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120259

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/02/25 08:07	10/02/25 04:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/02/25 08:07	10/02/25 04:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/02/25 08:07	10/02/25 04:32	1
Surrogate	MB	MB	Limits	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	104		70 - 130			10/02/25 08:07	10/02/25 04:32	1
o-Terphenyl	111		70 - 130			10/02/25 08:07	10/02/25 04:32	1

Lab Sample ID: LCS 880-120259/2-A

Matrix: Solid

Analysis Batch: 120284

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120259

Analyte	MB	MB	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
	Surrogate	%Recovery							
Gasoline Range Organics (GRO)-C6-C10			1000	809.8		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)			1000	829.0		mg/Kg		83	70 - 130
Surrogate	MB	MB	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
	Surrogate	%Recovery							
1-Chlorooctane		99		70 - 130					
o-Terphenyl		99		70 - 130					

Lab Sample ID: LCSD 880-120259/3-A

Matrix: Solid

Analysis Batch: 120284

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 120259

Analyte	MB	MB	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec
	Surrogate	%Recovery							
Gasoline Range Organics (GRO)-C6-C10			1000	807.9		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)			1000	830.2		mg/Kg		83	70 - 130
Surrogate	MB	MB	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec
	Surrogate	%Recovery							
1-Chlorooctane		98		70 - 130					
o-Terphenyl		102		70 - 130					

Lab Sample ID: 890-8893-3 MS

Matrix: Solid

Analysis Batch: 120284

Client Sample ID: SS 03

Prep Type: Total/NA

Prep Batch: 120259

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	766.4		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	773.6		mg/Kg		77	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
SDG: 03C1558723

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

Lab Sample ID: 890-8893-3 MS

Matrix: Solid

Analysis Batch: 120284

Client Sample ID: SS 03
Prep Type: Total/NA
Prep Batch: 120259

Surrogate	MS	MS	%Recovery	Qualifier	Limits
1-Chlorooctane	95				70 - 130
<i>o</i> -Terphenyl	95				70 - 130

Lab Sample ID: 890-8893-3 MSD

Matrix: Solid

Analysis Batch: 120284

Client Sample ID: SS 03
Prep Type: Total/NA
Prep Batch: 120259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	767.0		mg/Kg		77	70 - 130	0 20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	768.1		mg/Kg		77	70 - 130	1 20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1-Chlorooctane	96		70 - 130
<i>o</i> -Terphenyl	95		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120256/1-A

Matrix: Solid

Analysis Batch: 120287

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			10/02/25 08:46	1

Lab Sample ID: LCS 880-120256/2-A

Matrix: Solid

Analysis Batch: 120287

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chloride	250	254.6		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-120256/3-A

Matrix: Solid

Analysis Batch: 120287

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	RPD	RPD Limit
Chloride	250	246.5		mg/Kg		99	90 - 110	3 20

Lab Sample ID: 880-63342-A-7-B MS

Matrix: Solid

Analysis Batch: 120287

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Chloride	346		249	587.6		mg/Kg		97	90 - 110

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QC Sample Results

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-63342-A-7-C MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 120287

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloride	346		249	582.3		mg/Kg		95	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
SDG: 03C1558723

GC VOA

Analysis Batch: 120261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-1	SS 01	Total/NA	Solid	8021B	120288
890-8893-2	SS 02	Total/NA	Solid	8021B	120288
890-8893-3	SS 03	Total/NA	Solid	8021B	120288
890-8893-4	SS 04	Total/NA	Solid	8021B	120288
MB 880-120288/5-A	Method Blank	Total/NA	Solid	8021B	120288
LCS 880-120288/1-A	Lab Control Sample	Total/NA	Solid	8021B	120288
LCSD 880-120288/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120288
890-8893-1 MS	SS 01	Total/NA	Solid	8021B	120288
890-8893-1 MSD	SS 01	Total/NA	Solid	8021B	120288

Prep Batch: 120288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-1	SS 01	Total/NA	Solid	5035	10
890-8893-2	SS 02	Total/NA	Solid	5035	11
890-8893-3	SS 03	Total/NA	Solid	5035	12
890-8893-4	SS 04	Total/NA	Solid	5035	13
MB 880-120288/5-A	Method Blank	Total/NA	Solid	5035	14
LCS 880-120288/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120288/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8893-1 MS	SS 01	Total/NA	Solid	5035	
890-8893-1 MSD	SS 01	Total/NA	Solid	5035	

Analysis Batch: 120366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-1	SS 01	Total/NA	Solid	Total BTEX	
890-8893-2	SS 02	Total/NA	Solid	Total BTEX	
890-8893-3	SS 03	Total/NA	Solid	Total BTEX	
890-8893-4	SS 04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 120258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-1	SS 01	Total/NA	Solid	8015NM Prep	
890-8893-2	SS 02	Total/NA	Solid	8015NM Prep	
MB 880-120258/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120258/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8893-1 MS	SS 01	Total/NA	Solid	8015NM Prep	
890-8893-1 MSD	SS 01	Total/NA	Solid	8015NM Prep	

Prep Batch: 120259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-3	SS 03	Total/NA	Solid	8015NM Prep	
890-8893-4	SS 04	Total/NA	Solid	8015NM Prep	
MB 880-120259/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120259/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120259/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8893-3 MS	SS 03	Total/NA	Solid	8015NM Prep	
890-8893-3 MSD	SS 03	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

GC Semi VOA

Analysis Batch: 120282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-1	SS 01	Total/NA	Solid	8015B NM	120258
890-8893-2	SS 02	Total/NA	Solid	8015B NM	120258
MB 880-120258/1-A	Method Blank	Total/NA	Solid	8015B NM	120258
LCS 880-120258/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120258
LCSD 880-120258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120258
890-8893-1 MS	SS 01	Total/NA	Solid	8015B NM	120258
890-8893-1 MSD	SS 01	Total/NA	Solid	8015B NM	120258

Analysis Batch: 120284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-3	SS 03	Total/NA	Solid	8015B NM	120259
890-8893-4	SS 04	Total/NA	Solid	8015B NM	120259
MB 880-120259/1-A	Method Blank	Total/NA	Solid	8015B NM	120259
LCS 880-120259/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120259
LCSD 880-120259/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120259
890-8893-3 MS	SS 03	Total/NA	Solid	8015B NM	120259
890-8893-3 MSD	SS 03	Total/NA	Solid	8015B NM	120259

Analysis Batch: 120357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-1	SS 01	Total/NA	Solid	8015 NM	
890-8893-2	SS 02	Total/NA	Solid	8015 NM	
890-8893-3	SS 03	Total/NA	Solid	8015 NM	
890-8893-4	SS 04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 120256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-1	SS 01	Soluble	Solid	DI Leach	
890-8893-2	SS 02	Soluble	Solid	DI Leach	
890-8893-3	SS 03	Soluble	Solid	DI Leach	
890-8893-4	SS 04	Soluble	Solid	DI Leach	
MB 880-120256/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120256/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120256/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-63342-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-63342-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 120287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8893-1	SS 01	Soluble	Solid	300.0	120256
890-8893-2	SS 02	Soluble	Solid	300.0	120256
890-8893-3	SS 03	Soluble	Solid	300.0	120256
890-8893-4	SS 04	Soluble	Solid	300.0	120256
MB 880-120256/1-A	Method Blank	Soluble	Solid	300.0	120256
LCS 880-120256/2-A	Lab Control Sample	Soluble	Solid	300.0	120256
LCSD 880-120256/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120256
880-63342-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	120256
880-63342-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	120256

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Lab Chronicle

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

Client Sample ID: SS 01

Date Collected: 09/30/25 09:46
 Date Received: 09/30/25 16:49

Lab Sample ID: 890-8893-1

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			5.02 g	5 mL	120288	10/02/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120261	10/02/25 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120366	10/02/25 13:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			120357	10/02/25 10:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120258	10/02/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120282	10/02/25 10:13	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	120256	10/02/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			120287	10/02/25 11:08	CS	EET MID

Client Sample ID: SS 02

Date Collected: 09/30/25 14:55
 Date Received: 09/30/25 16:49

Lab Sample ID: 890-8893-2

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			4.96 g	5 mL	120288	10/02/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120261	10/02/25 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120366	10/02/25 13:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			120357	10/02/25 11:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120258	10/02/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120282	10/02/25 11:01	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	120256	10/02/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			120287	10/02/25 11:14	CS	EET MID

Client Sample ID: SS 03

Date Collected: 09/30/25 10:44
 Date Received: 09/30/25 16:49

Lab Sample ID: 890-8893-3

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			5.01 g	5 mL	120288	10/02/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120261	10/02/25 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120366	10/02/25 13:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			120357	10/02/25 10:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120259	10/02/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120284	10/02/25 10:13	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	120256	10/02/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			120287	10/02/25 11:31	CS	EET MID

Client Sample ID: SS 04

Date Collected: 09/30/25 10:12
 Date Received: 09/30/25 16:49

Lab Sample ID: 890-8893-4

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			4.95 g	5 mL	120288	10/02/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120261	10/02/25 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120366	10/02/25 14:05	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
 Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
 SDG: 03C1558723

Client Sample ID: SS 04**Lab Sample ID: 890-8893-4**

Matrix: Solid

Date Collected: 09/30/25 10:12
 Date Received: 09/30/25 16:49

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			120357	10/02/25 11:01	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	120259	10/02/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120284	10/02/25 11:01	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120256	10/02/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			120287	10/02/25 11:37	CS	EET MID

Laboratory References:

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

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Eurofins Carlsbad

Accreditation/Certification Summary

Client: Ensolum

Job ID: 890-8893-1

Project/Site: BIG SINKS 22 FED BATTERY

SDG: 03C1558723

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

Eurofins Carlsbad

Method Summary

Client: Ensolum
Project/Site: BIG SINKS 22 FED BATTERY

Job ID: 890-8893-1
SDG: 03C1558723

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

Eurofins Carlsbad

Sample Summary

Client: Ensolum

Job ID: 890-8893-1

Project/Site: BIG SINKS 22 FED BATTERY

SDG: 03C1558723

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8893-1	SS 01	Solid	09/30/25 09:46	09/30/25 16:49	0.5
890-8893-2	SS 02	Solid	09/30/25 14:55	09/30/25 16:49	0.5
890-8893-3	SS 03	Solid	09/30/25 10:44	09/30/25 16:49	0.5
890-8893-4	SS 04	Solid	09/30/25 10:12	09/30/25 16:49	0.5

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Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8893-1

SDG Number: 03C1558723

Login Number: 8893**List Source: Eurofins Carlsbad****List Number: 1****Creator: Bruns, Shannon**

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: 890-8893-1

SDG Number: 03C1558723

Login Number: 8893**List Source: Eurofins Midland****List Number: 2****List Creation: 10/02/25 07:44 AM****Creator: Laing, Edmundo**

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	



APPENDIX E

Volume Calculation and NMOCD Correspondence

Location:	BIG SINKS 22 FED BATTERY	
Spill Date:	7/3/2025	
OCD #	NAPP2518855012	
Area 1 (surface)		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
Average Porosity Factor =	0.00	
Volume of spill in Area 1	0.00	bbls
Area 2 (containment)		
Approximate Area =	1944.00	sq. ft.
Average depth of spill =	0.35	inches
Volume of spill in Area 2	10.10	bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	0.00	bbls
Total Produced Water =	10.10	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =	0.00	bbls
Total Produced Water =	10.00	bbls

Hadlie Green

From: Tracy Hillard
Sent: Wednesday, November 5, 2025 9:48 AM
To: Hadlie Green
Cc: Tacoma Morrissey
Subject: FW: (Extension Approval) - XTO - Status Update - Big Sinks 22 Fed Battery - Incident Number nAPP2518855012

 **Tracy Hillard**
Project Engineer
575-937-3906
Ensolum, LLC
[in](#) [f](#) [X](#)

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, October 1, 2025 4:33 PM
To: robert.d.woodall@exxonmobil.com
Cc: richard.kotzur@exxonmobil.com; Tacoma Morrissey <tmorrissey@ensolum.com>; Ben Belill <bbelill@ensolum.com>; Jeremy Reich <jreich@ensolum.com>; Tracy Hillard <thillard@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: (Extension Approval) - XTO - Status Update - Big Sinks 22 Fed Battery - Incident Number nAPP2518855012

[**EXTERNAL EMAIL**]

RE: Incident #**NAPP2518855012 BIG SINKS 22 FED BATTERY**

Robert,

A 90-day extension is approved. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **December 30th, 2025**. Include this e-mail correspondence in the report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, October 1, 2025 1:06 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] FW: XTO - Status Update - Big Sinks 22 Fed Battery - Incident Number nAPP2518855012

From: Woodall, Robert D <robert.d.woodall@exxonmobil.com>
Sent: Wednesday, October 1, 2025 12:07 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Kotzur, Richard <richard.kotzur@exxonmobil.com>; Tacoma Morrissey <tmorrissey@ensolum.com>; Ben Belill <bbelill@ensolum.com>; Jeremy Reich <jreich@ensolum.com>; Tracy Hillard <thillard@ensolum.com>
Subject: [EXTERNAL] FW: XTO - Status Update - Big Sinks 22 Fed Battery - Incident Number nAPP2518855012

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

XTO is providing a remediation status update for a produced water release that occurred at the Big Sinks 22 Fed Battery (Incident Number nAPP2518855012). The release occurred on July 3, 2025. Access to the lined containment for an integrity inspection was delayed due to simultaneous operations (SIMOPS). Liner integrity inspection and delineation activities were conducted between August and September 2025. Laboratory analytical results are still pending. To allow time to review the laboratory analytical results and potentially complete any additional remediation activities, XTO requests a 90-day extension until December 30, 2025.

R. Dale Woodall
Project Manager

ExxonMobil Environmental and Property Solutions Company
3104 E. Greene Street
Carlsbad, NM 88220
Cell Phone: 575-988-4374
Robert.D.Woodall@ExxonMobil.com

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 530183

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530183
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518855012
Incident Name	NAPP2518855012 BIG SINKS 22 FED BATTERY @ P-22-24S-30E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	BIG SINKS 22 FED BATTERY
Date Release Discovered	07/03/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	<i>Not answered.</i>
Produced Water Released (bbls) Details	<i>Cause: Corrosion Treating Tower Produced Water Released: 10 BBL Recovered: 10 BBL Lost: 0 BBL.</i>
Is the concentration of chloride in the produced water >10,000 mg/l	<i>Yes</i>
Condensate Released (bbls) Details	<i>Not answered.</i>
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	<i>Not answered.</i>
Other Released Details	<i>Not answered.</i>
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	<i>10 bbls of produced water were released in lined containment, all fluids were recovered</i>

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QUESTIONS, Page 2

Action 530183

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530183
	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>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
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: 11/26/2025
--	---

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QUESTIONS, Page 3

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

Action 530183

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530183
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1/2 and 1 (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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and 1/2 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and 1/2 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and 1/2 (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 1/2 and 1 (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)	570
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	08/26/2025
On what date will (or did) the final sampling or liner inspection occur	09/30/2025
On what date will (or was) the remediation complete(d)	09/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	1945
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1945
What is the estimated volume (in cubic yards) that will be remediated	0

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

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

Action 530183

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530183
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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.)	No
(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)	Yes
Other Non-listed Remedial Process. Please specify	No impacted soil identified

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: 11/26/2025
--	---

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

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QUESTIONS, Page 5

Action 530183

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530183
	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
--	----

Sante Fe Main Office
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QUESTIONS, Page 6

Action 530183

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530183
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	507245
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2025
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	3000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1945
What was the total volume (cubic yards) remediated	0
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	1945
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Liner integrity inspection and delineation activities were conducted at the Site following the July 3, 2025, release of produced water. Laboratory analytical results for the delineation soil samples, collected in the liner tear and around the lined containment, indicated all COC concentrations were compliant with the strictest Table I Closure Criteria. The liner tears where BH01 was advanced, were immediately patched following the completion of delineation activities to restore spill control measures. Delineation at the Site confirmed the absence of impacted and waste-containing soil. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. Based on initial response efforts and the liner operating as designed, XTO respectfully requests closure for Incident Number nAPP2518855012.

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: 11/26/2025

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>

QUESTIONS, Page 7

Action 530183

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530183
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	<input type="checkbox"/> No

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

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

CONDITIONS

Action 530183

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530183
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2518855012 BIG SINKS 22 FED BATTERY, thank you. This Remediation Closure Report is approved.	12/26/2025