



January 23, 2026

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
ROW 1 Booster
Incident Number nAPP2530444782
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Remediation Work Plan (Work Plan)* to document site assessment, delineation, and soil sampling activities at the ROW 1 Booster (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 onto a right-of-way (ROW), lease road, and adjacent pasture area. The following *Work Plan* describes delineation, and soil sampling activities completed to date, proposes to install a soil boring to investigate depth to water to confirm the Closure Criteria, and excavation of impacted soils.

SITE DESCRIPTION AND RELEASE SUMMARY

The release was initially reported in Unit D, Section 09, Township 24 South, Range 30 East, but after review of release location coordinates and photographs taken during the Site assessment, it was confirmed that the release extended into Units A & H, Section 08, Township 24 South, Range 30 East, and Units D & E, Section 09, Township 24 South, Range 30 East in Eddy County, New Mexico (32.238673°, -103.894280°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On October 31, 2025, damage of an XTO pipeline due to third party operations in the vicinity of the pipeline resulted in the release of approximately 3,102 barrels (bbls) of produced water onto the ROW, lease road, and adjacent pasture area. A vacuum truck was immediately dispatched and recovered 100 bbls of released fluids. XTO submitted a Notification of Release (NOR) and an Initial C-141 Application (C-141) on October 31, 2025, to the New Mexico Oil Conservation Division (NMOCD). The release was assigned Incident Number nAPP2530444782.

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. Potential site receptors are identified on Figure 1.

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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 groundwater data is from the New Mexico Office of the State Engineer (NMOSE) soil boring, permitted as C-4497, located approximately 0.58 miles northeast of the Site. The soil boring was advanced to a depth of 110 bgs with no groundwater encountered. The Well Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an ephemeral dry wash, located approximately 1,217 feet southwest of the release extent. 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).

In order to confirm depth to groundwater is greater than 100 feet bgs at the Site, XTO proposes to advance a soil boring to a depth of 105 feet bgs. The soil boring will be located within 0.5 miles of the Site, and a field geologist will log and describe soils continuously. The soil boring will be left open for over 72 hours to allow for equilibration of groundwater levels within the temporary boring casing. After the 72-hour waiting period, depth to groundwater will be assessed and the soil boring will be backfilled following NMOSE approved procedures. A well record or soil boring log will be included in the follow-up Closure Report.

Based on the results of the Site Characterization, and proposed depth to groundwater soil boring, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

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

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On October 31, 2025, Ensolum personnel were at the Site to assess the release. 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. Between November 11, and November 24, 2025, Ensolum personnel returned to the Site to conduct delineation activities. Thirteen boreholes, SS01/BH01 through SS12/BH12 and BH13, were advanced via hand auger to investigate the vertical extent of the release. The boreholes were advanced to a maximum terminal depth of 5 feet bgs with the exception of BH13, collected from the excavation at the point-of-release (POR) which was advanced to 22 feet bgs. Discrete soil samples were collected from the boreholes at depths ranging between 0.5 feet (surface) and 22 feet bgs. In addition, thirty-one delineation soil samples (SS13 through SS43) were collected around the release extent from a depth of 0.5 feet bgs (surface) to laterally delineate the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a

calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations were mapped utilizing a handheld 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 location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico or Eurofins Laboratory (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 Standards Method SM4500 or EPA method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS10, and SS12, collected at a depth of 0.5 feet bgs, indicated that chloride concentrations exceeded reclamation requirements. Terminal soil samples for boreholes BH01 through BH12, ranging from 1-foot to 5 feet bgs, with the exception of BH02, indicated all COC concentrations were compliant with the proposed Closure Criteria and reclamation requirement applied in the top 4 feet bgs, successfully defining the vertical extent of the release. Delineation soil samples SS11/BH11 indicated all COCs were in compliance with reclamation requirements. Delineation borehole BH13, collected from the POR excavation, indicated all COCs were in compliance with the proposed Closure Criteria. Laboratory analytical results for delineation soil samples SS13 through SS43 indicated all COCs were in compliance with reclamation requirements, successfully defining the lateral extent of the release. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix D.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing elevated chloride concentrations exist across an approximate 31,600 square foot area and extends to depths ranging from 1-foot to 4 feet bgs. As such, XTO proposes to complete the following remediation activities:

- A temporary soil boring will be advanced within 0.5 miles of the Site to confirm regional depth to groundwater is greater than 100 feet bgs, as described above.
 - If the soil boring indicates regional depth to groundwater is less than 100 feet bgs, the applicable Table I Closure Criteria will be applied to the Site.
- Excavation of waste-containing and/or impacted soil to depths ranging from 1-foot to 4 feet bgs will proceed until confirmation soil samples confirm concentrations of all COCs are compliant with the Closure Criteria and/or reclamation requirement, as applicable.
- Due to the size of the release extent, XTO requests approval of an alternate sampling plan for the frequency of confirmation soil samples. XTO proposes 5-point composite soil samples to be collected at a sampling frequency of 400 square feet along the excavation floor and a sampling frequency of 200 square feet along all excavation sidewalls. The proposed sampling frequency would reduce the total number of samples from approximately 215 confirmation soil samples (collected 200 square feet) to approximately 136 confirmation soil samples (collected every 400 square feet). The soil samples will be handled as described above and submitted to Eurofins or Cardinal for analysis of all COCs.
- An estimated 4,500 cubic yards of waste containing and/or impacted soil will be excavated and disposed of at a New Mexico approved disposal facility.

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- The excavation will be backfilled with locally procured material and recontoured to match pre-existing conditions; and,
- The areas of disturbance will be reseeded with an approved BLM seed mix the following recommended seeding season.

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 that reads "Tracy Hillard".

Tracy Hillard
Project Engineer

A handwritten signature in black ink that reads "Morrissey".

Tacoma Morrissey, P.G. (licensed in Texas)
Associate Principal

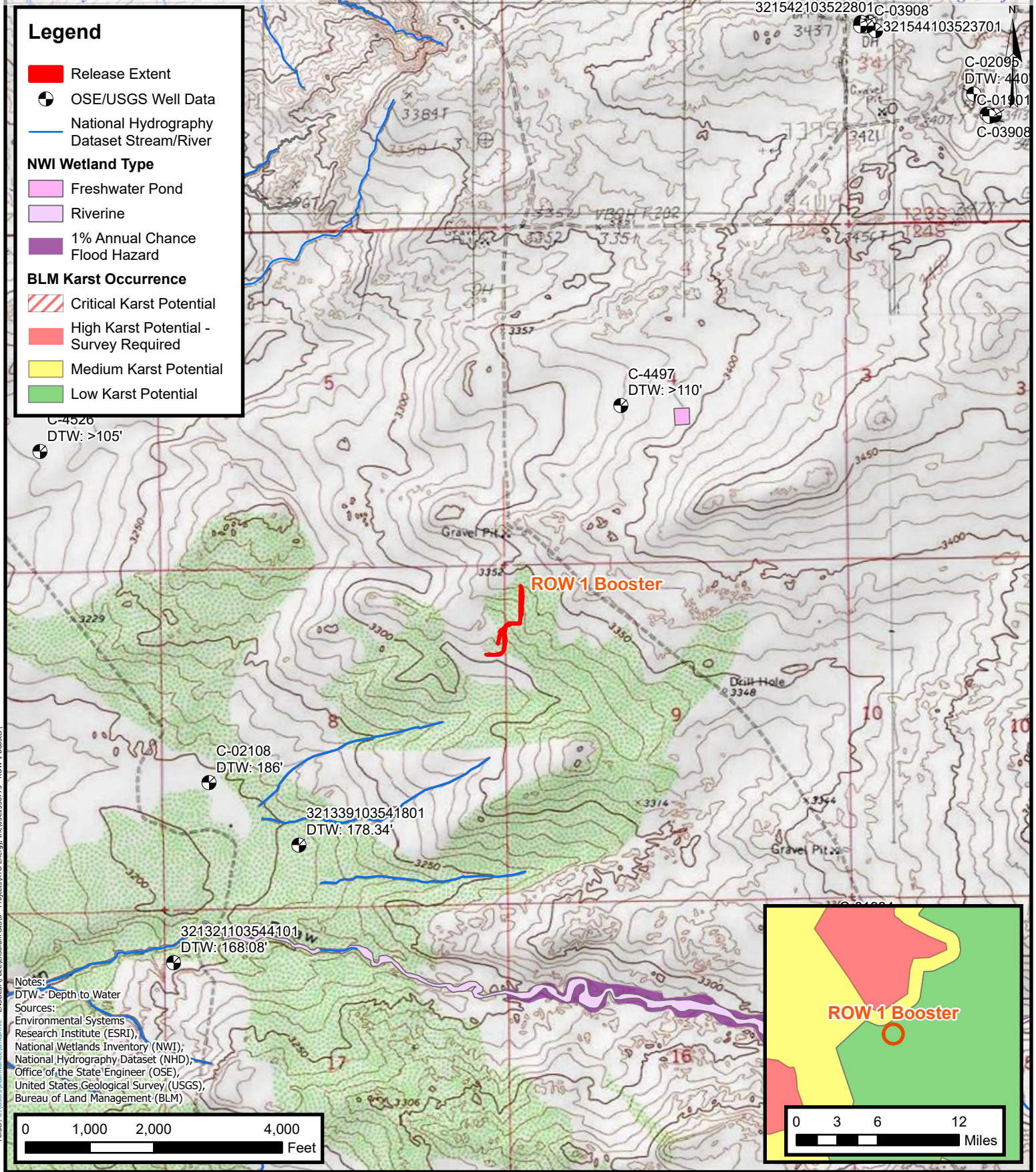
cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

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 Spill Volume Calculation



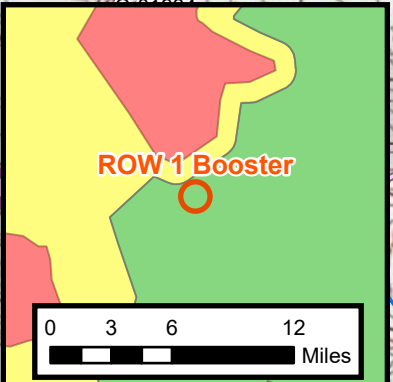
FIGURES



Folder: C:\Users\LearnUser\OneDrive - ENSOLUM, LLC\ENSOLUM GIS\0 - Projects\XTO Energy, Inc\03C158773 - ROW 1 Booster

Notes:
 DTW - Depth to Water
 Sources:
 Environmental Systems
 Research Institute (ESRI),
 National Wetlands Inventory (NWI),
 National Hydrography Dataset (NHD),
 Office of the State Engineer (OSE),
 United States Geological Survey (USGS),
 Bureau of Land Management (BLM)

0 1,000 2,000 4,000 Feet

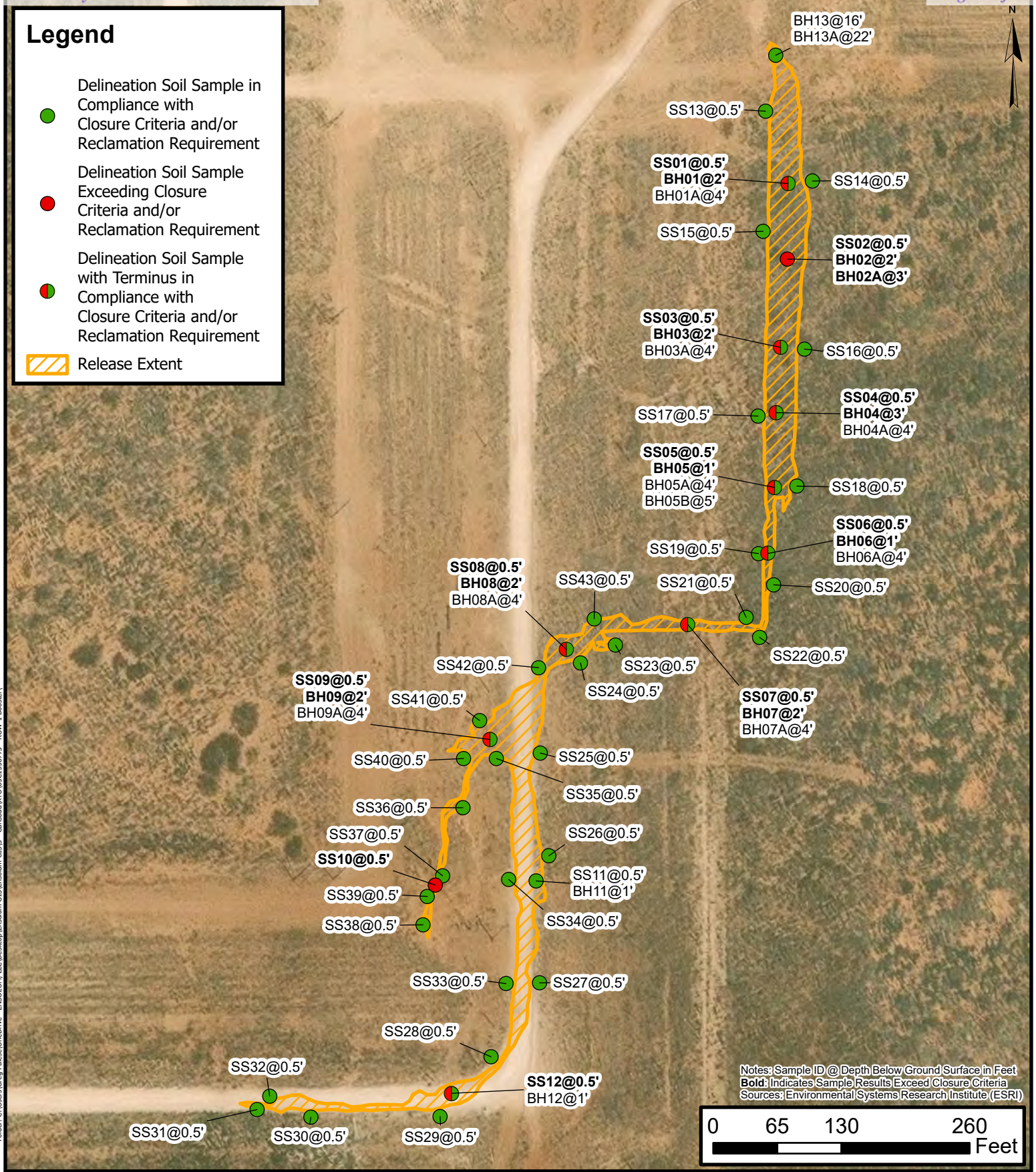


Site Receptor Map
 XTO Energy, Inc
 ROW 1 Booster
 Incident Number: nAPP2530444782
 Units A and H, Section 08, Township 24 South, Range 30 East,
 and Units D And E, Section 09, Township 24 South, Range 30 East
 Eddy County, New Mexico

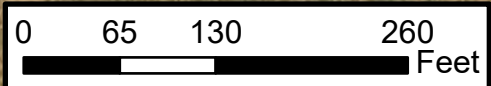
FIGURE
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria and/or Reclamation Requirement
- Delineation Soil Sample Exceeding Closure Criteria and/or Reclamation Requirement
- ● Delineation Soil Sample with Terminus in Compliance with Closure Criteria and/or Reclamation Requirement
- Release Extent



Notes: Sample ID @ Depth Below Ground Surface in Feet
Bold: Indicates Sample Results Exceed Closure Criteria
 Sources: Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

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 Units A and H, Section 08, Township 24 South, Range 30 East,
 and Units D And E, Section 09, Township 24 South, Range 30 East
 Eddy County, New Mexico

FIGURE
2





TABLES



**TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
ROW 1 Booster
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	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,660
BH01	11/13/2025	2	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	3,430
BH01A	11/13/2025	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	5,240
SS02	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,950
BH02	11/13/2025	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	4,890
BH02A	11/13/2025	3	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	1,380
SS03	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
BH03	11/12/2025	2	>0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	5,880
BH03A	11/12/2025	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	3,200
SS04	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
BH04	11/12/2025	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	5,540
BH04A	11/12/2025	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	2,730
SS05	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200
BH05	11/12/2025	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	4,070
BH05A	11/12/2025	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	417
BH05B	11/12/2025	5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	232
SS06	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
BH06	11/12/2025	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	4,800
BH06A	11/12/2025	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	2,920
SS07	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,750
BH07	11/12/2025	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	3,820
BH07A	11/12/2025	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	3,140
SS08	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,840
BH08	11/12/2025	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	3,330
BH08A	11/12/2025	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	241
SS09	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,680
BH09	11/13/2025	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	2,240
BH09A	11/13/2025	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	1,500
SS10	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,760
SS11	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH11	11/13/2025	1	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	25.9



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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SS12	11/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,880
BH12	11/13/2025	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	84.5
BH13	11/12/2025	16	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	4,400
BH13A	11/12/2025	22	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	2,110
SS13	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS14	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS15	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS16	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS17	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS18	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS19	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS20	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS21	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS22	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS23	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS24	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS25	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS26	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS27	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS28	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS29	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS30	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS31	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS32	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS33	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS34	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS35	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS36	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS37	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS38	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS39	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS40	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



**TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
ROW 1 Booster
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
SS41	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS42	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS43	11/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

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



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DTJ JAN 28 2021 PM 4:24

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4497		
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707
	WELL LOCATION (FROM GPS)	DEGREES 32°	MINUTES 14'	SECONDS 46.69"	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE -103°	53'	20.46"	W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SW Sec. 4 T24S R30E							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 12/28/2020		DRILLING ENDED 12/28/2020		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110	±8.5	Boring- HSA	--	--	--	--

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

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO. C-4497		POD NO. 1		TRN NO. 682526			
LOCATION 231		T24S Sec 4 R30E		WELL TAG ID NO. NA		PAGE 1 OF 2	

OSE DJT JAN 28 2021 PM 4:24

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	1.5	1.5	CALICHE, poor-moderate consolidation, few sand, fine grain, light brown, dry	Y	✓ N	
	1.5	5	3.5	SAND, well graded, fine grain, few gravel, sub angular, 2-8mm. Red/brown, dry	Y	✓ N	
	5	16	11	SAND, fine grain, poorly graded, few gravel, some clay, red/brown, moist	Y	✓ N	
	16	85	69	SAND, well graded, large grain, little clay, noncohesive,, red/brown, moist	Y	✓ N	
	85	--	--	SANDSTONE, very poorly consolidated, medium-fine grain, well graded,	Y	✓ N	
	--	105	20	few caliche gravel, sub angular, 1.5-7mm, light brown - almond brown, moist	Y	✓ N	
	105	--	--	SANDSTONE, highly consolidated, medium-fine grain, poorly graded,	Y	✓ N	
	--	110	5	few clay, low plasticity, noncohesive, light brown-almond brown, dry	Y	✓ N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins	01/15/2021
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO. C-4497	POD NO. 1	TRN NO. 682526	
LOCATION 231 T245 Sec 4 R30E	WELL TAG ID NO. NA	PAGE 2 OF 2	

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 682526
File Nbr: C 04497
Well File Nbr: C 04497 POD1

Feb. 05, 2021

TACOMA MORRISSEY
WSP USA
3300 NORTH A STREET
BLDG 1 #222
MIDLAND, TX 79705

Greetings:

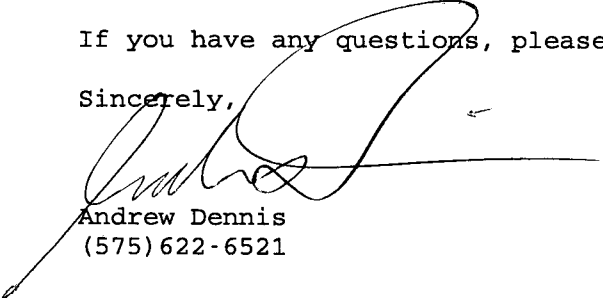
The above numbered permit was issued in your name on 12/01/2020.

The Well Record was received in this office on 01/28/2021, stating that it had been completed on 12/28/2020, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 12/01/2021.

If you have any questions, please feel free to contact us.

Sincerely,


Andrew Dennis
(575) 622-6521

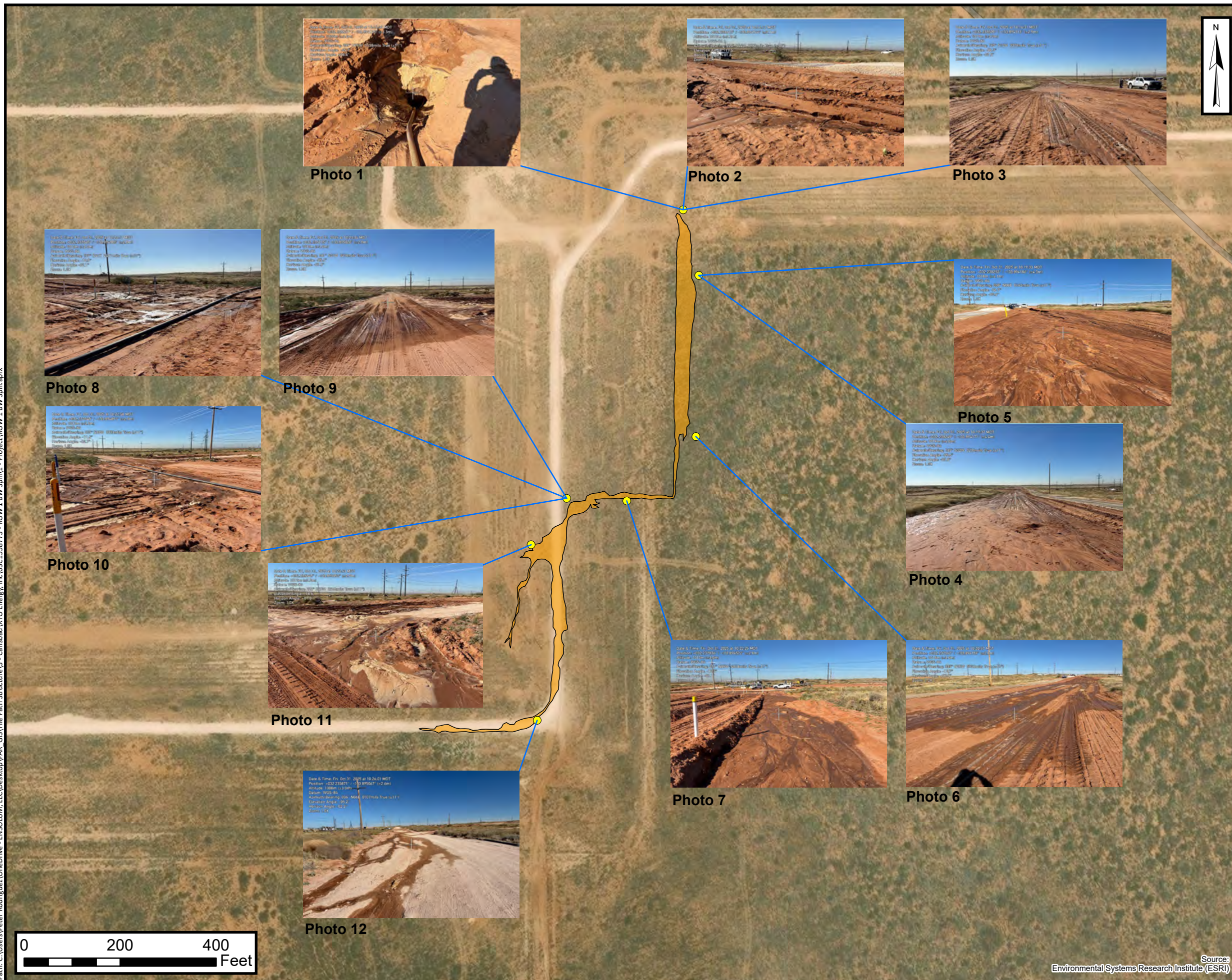
drywell



APPENDIX B

Photographic Log

Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\XTO Energy, Inc\03C1558773 - ROW 1 BW Spill\1 - Project\ROW 1 BW Spill.aprx



Legend

- Photograph Location
- Release Extent

ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

Photographic Log
XTO Energy, Inc
ROW 1 BW Spill
Unit D, Sec 09, T 24S, R 30E
Eddy County, New Mexico

FIGURE 1

Project Number: 03C1558773

Source: Environmental Systems Research Institute (ESRI)



Photographic Log



XTO Energy, Inc
ROW 1 Booster
nAPP2530444782

<p><u>Photograph</u> 1</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:14:04 MDT Position: +032.238631° / -103.894175° (±3.3m) Altitude: 1020m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 289° N71W 5138mils True (±11°) Elevation Angle: -45.7° Horizon Angle: +06.4° Zoom: 1.0X</p> 
<p><u>Description</u> Point of Release (POR)</p>		
<p><u>View</u> Direct</p>		
<p><u>Photograph</u> 2</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:16:12 MDT Position: +032.238613° / -103.894144° (±3.1m) Altitude: 1019m (±3.2m) Datum: WGS-84 Azimuth/Bearing: 224° S44W 3982mils True (±11°) Elevation Angle: -17.5° Horizon Angle: +01.6° Zoom: 1.0X</p> 
<p><u>Description</u> Pooling in release extent; near POR</p>		
<p><u>View</u> Southwest</p>		



Photographic Log



XTO Energy, Inc
 ROW 1 Booster
 nAPP2530444782

<p><u>Photograph</u> 3</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:16:31 MDT Position: +032.238509° / -103.894113° (±2.9m) Altitude: 1019m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 190° S10W 3378mils True (±11°) Elevation Angle: -06.3° Horizon Angle: -01.5° Zoom: 1.0X</p>
<p><u>Description</u> Release extent; from POR</p>		
<p><u>View</u> South</p>		
<p><u>Photograph</u> 4</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:19:37 MDT Position: +032.238249° / -103.894171° (±4.4m) Altitude: 1019m (±4.0m) Datum: WGS-84 Azimuth/Bearing: 182° S02W 3236mils True (±11°) Elevation Angle: -05.6° Horizon Angle: -01.0° Zoom: 1.0X</p>
<p><u>Description</u> Release extent; 150 feet south of POR</p>		
<p><u>View</u> South</p>		



Photographic Log

XTO Energy, Inc
 ROW 1 Booster
 nAPP2530444782

<p><u>Photograph</u> 5</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:19:33 MDT Position: +032.238253° / -103.894186° (±4.3m) Altitude: 1018m (±4.1m) Datum: WGS-84 Azimuth/Bearing: 008° N08E 0142mils True (±11°) Elevation Angle: -06.7° Horizon Angle: -00.6° Zoom: 1.0X</p> 
<p><u>Description</u> Release extent; 150 feet south of POR</p>		
<p><u>View</u> North</p>		
<p><u>Photograph</u> 6</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:20:57 MDT Position: +032.237362° / -103.894159° (±2.8m) Altitude: 1015m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 335° N25W 5956mils True (±11°) Elevation Angle: -12.7° Horizon Angle: +00.8° Zoom: 1.0X</p> 
<p><u>Description</u> Release extent; 450 feet south of POR</p>		
<p><u>View</u> Northwest</p>		



Photographic Log



XTO Energy, Inc
 ROW 1 Booster
 nAPP2530444782

<p><u>Photograph</u> 7</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:22:25 MDT Position: +032.237036° / -103.894522° (±2.9m) Altitude: 1013m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 271° N89W 4813mils True (±11°) Elevation Angle: -13.5° Horizon Angle: -01.1° Zoom: 1.0X</p>
<p><u>Description</u> Release extent</p>		
<p><u>View</u> West</p>		
<p><u>Photograph</u> 8</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:23:17 MDT Position: +032.237045° / -103.894985° (±2.8m) Altitude: 1013m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 139° S41E 2471mils True (±11°) Elevation Angle: -10.8° Horizon Angle: -02.1° Zoom: 1.0X</p>
<p><u>Description</u> Release extent; near lease road</p>		
<p><u>View</u> Southeast</p>		



Photographic Log



XTO Energy, Inc
 ROW 1 Booster
 nAPP2530444782

<p><u>Photograph</u> 9</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:23:34 MDT Position: +032.236915° / -103.895028° (±2.9m) Altitude: 1013m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 181° S01W 3218mils True (±11°) Elevation Angle: -05.6° Horizon Angle: -01.5° Zoom: 1.0X</p> 
<p><u>Description</u> Release extent; near road crossover</p>		
<p><u>View</u> South</p>		
<p><u>Photograph</u> 10</p>	<p><u>Date</u> 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:22:58 MDT Position: +032.237040° / -103.894891° (±2.9m) Altitude: 1013m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 210° S30W 3733mils True (±11°) Elevation Angle: -11.6° Horizon Angle: -00.7° Zoom: 1.0X</p> 
<p><u>Description</u> Release extent; near road crossover</p>		
<p><u>View</u> Southwest</p>		



Photographic Log


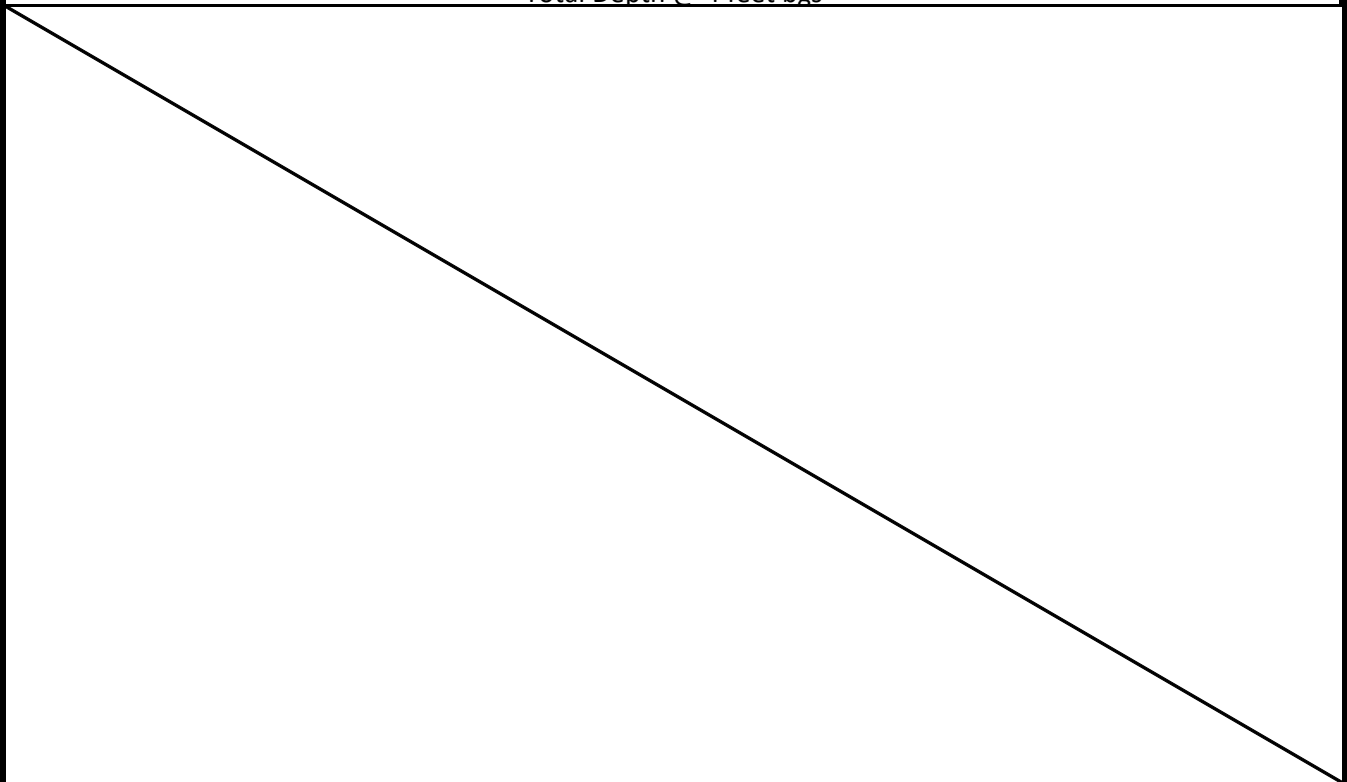
XTO Energy, Inc
 ROW 1 Booster
 nAPP2530444782


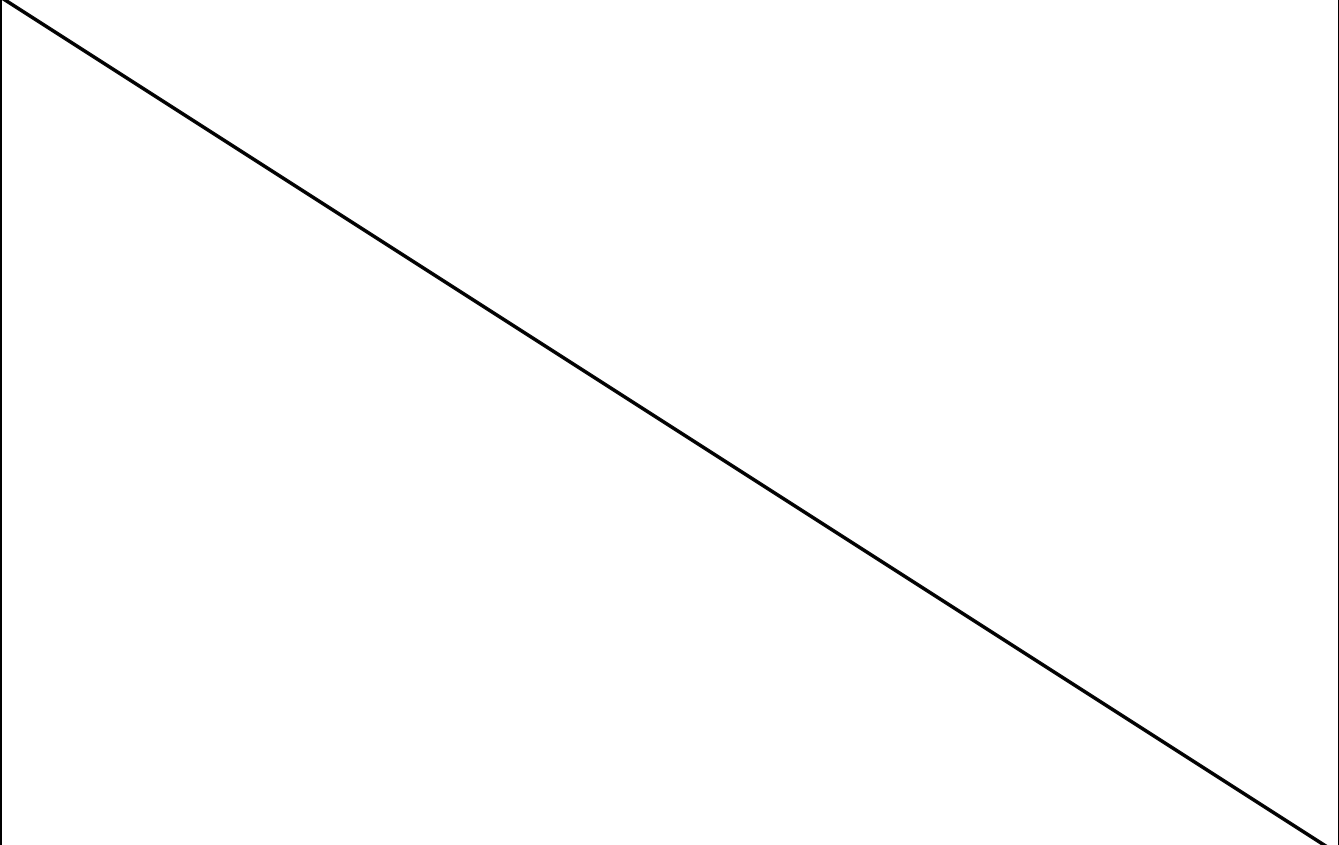
<p>Photograph 11</p>	<p>Date 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:23:43 MDT Position: +032.234845° / -103.895053° (±2.9m) Altitude: 1012m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 223° S43W 3964mils True (±11°) Elevation Angle: -18.6° Horizon Angle: +01.0° Zoom: 1.0X</p>
<p>Description Release extent; northern portion of lease road overlap</p>		
<p>View Southwest</p>		
<p>Photograph 12</p>	<p>Date 10/31/2025</p>	<p>Date & Time: Fri, Oct 31, 2025 at 10:26:01 MDT Position: +032.235871° / -103.895067° (±2.6m) Altitude: 1008m (±3.0m) Datum: WGS-84 Azimuth/Bearing: 006° N06E 0107mils True (±11°) Elevation Angle: -05.2° Horizon Angle: -02.2° Zoom: 1.0X</p>
<p>Description Release extent; along lease road</p>		
<p>View North</p>		


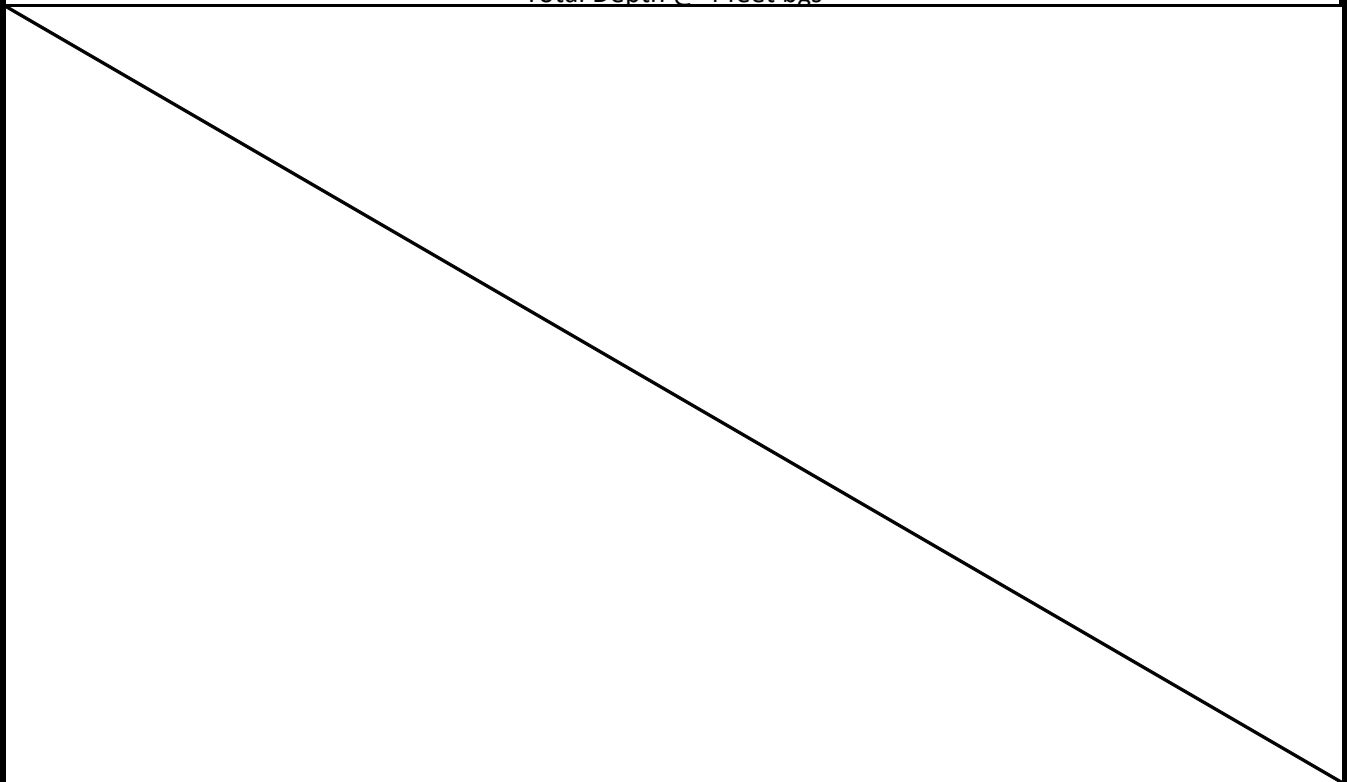



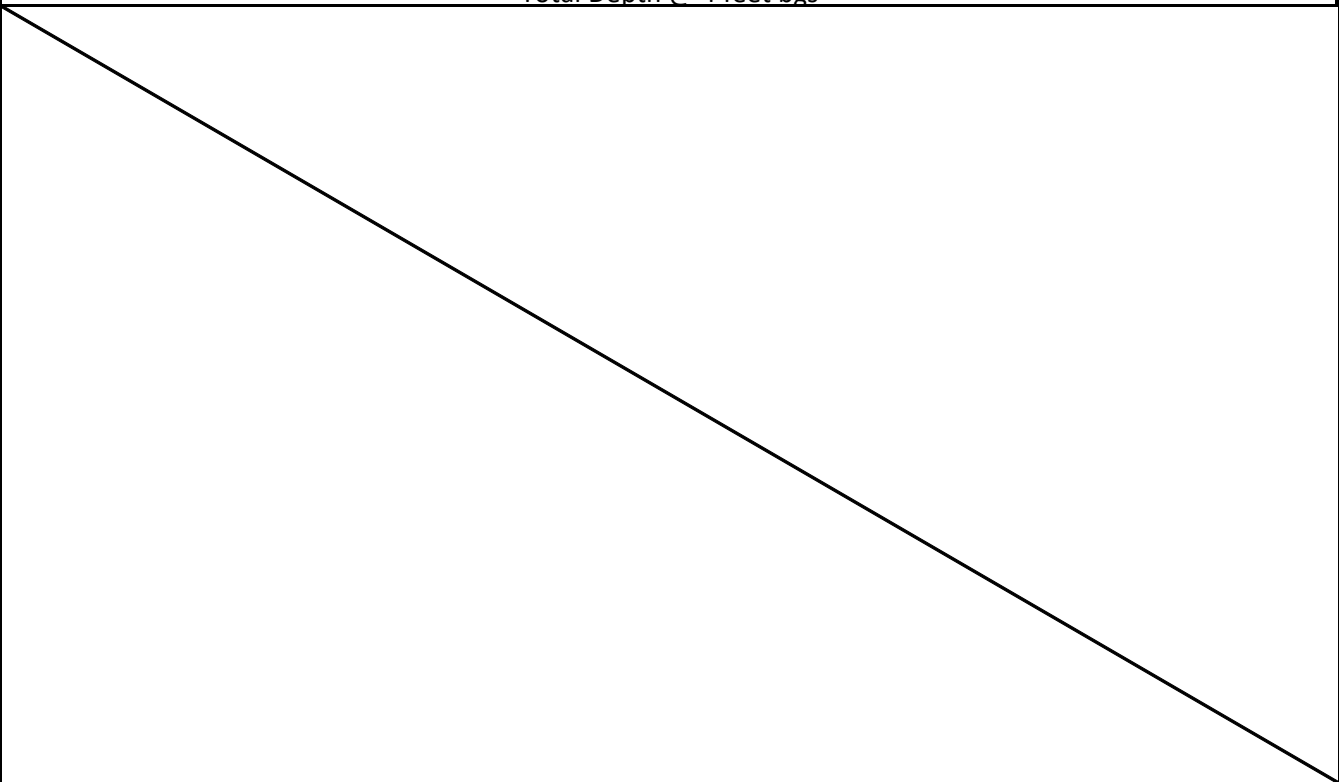
APPENDIX C


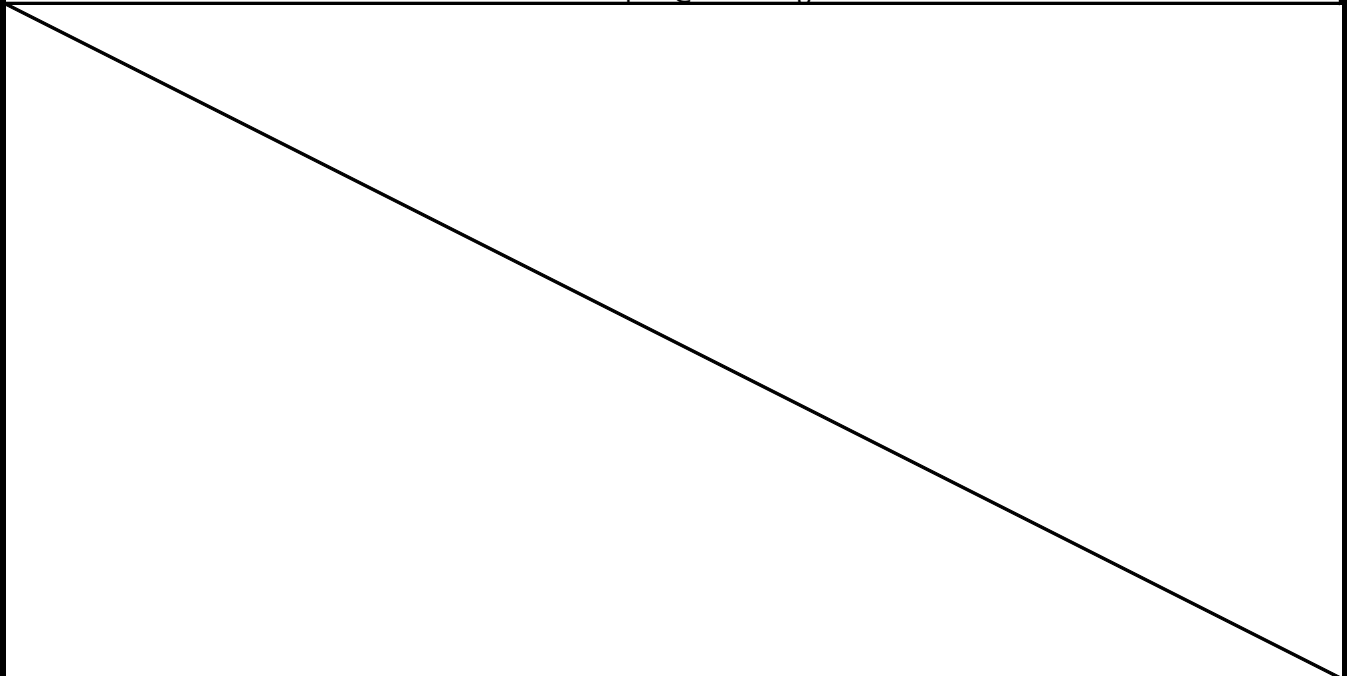
Lithologic Soil Sampling Logs


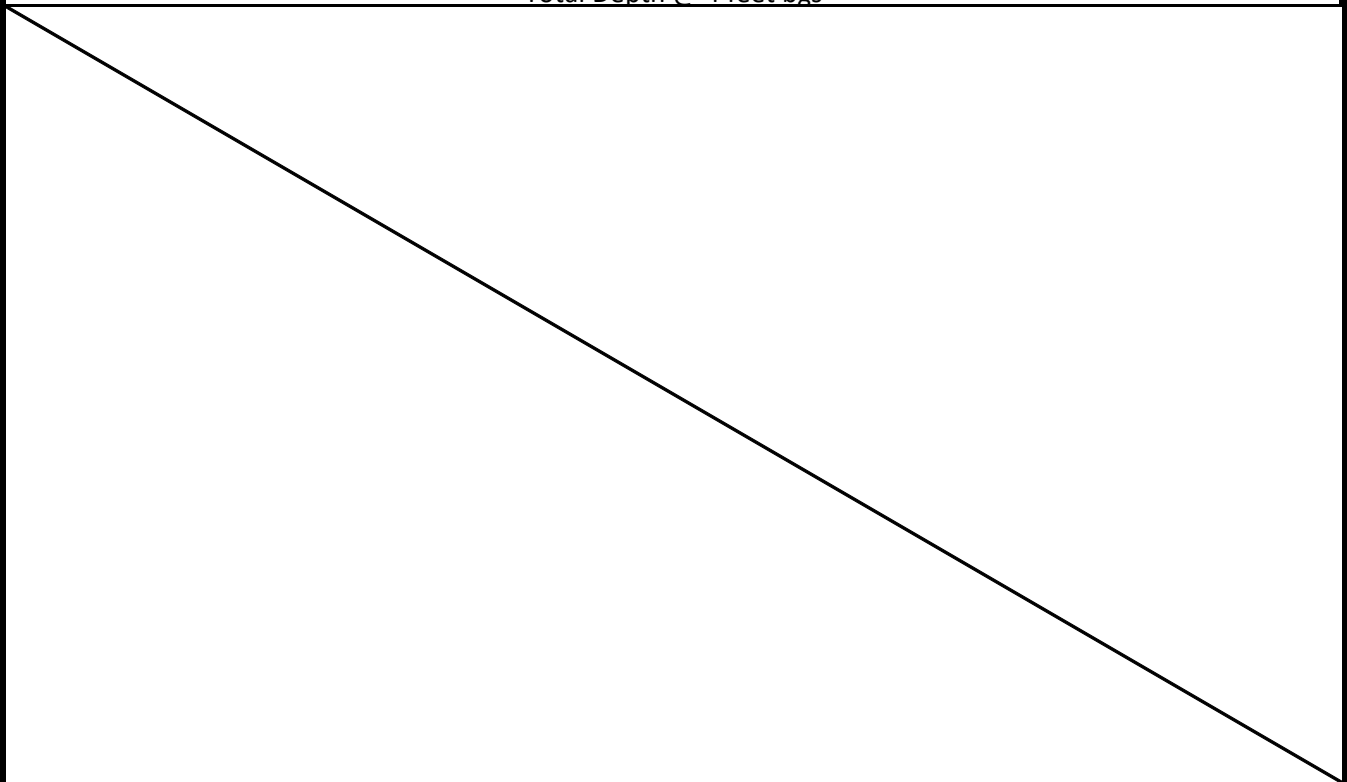
							Sample Name: SS01/BH01		Date: 11/11&13/2025	
							Site Name: Row 1 Booster			
							Incident Number: nAPP2530444782			
							Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: TBW		Method: Hand Auger	
Coordinates: 32.2382433, -103.8941305							Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	4827	0.9	N	SS01	0.5	0	SP-SC	(0-4') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor		
D	3847	1.1	N		1	1				
D	4939	0.7	N	BH01	2	2				
D	5415	0.8	N		3	3				
D	8019	0.4	N	BH01A	4	4				
Total Depth @ 4 feet bgs										
										


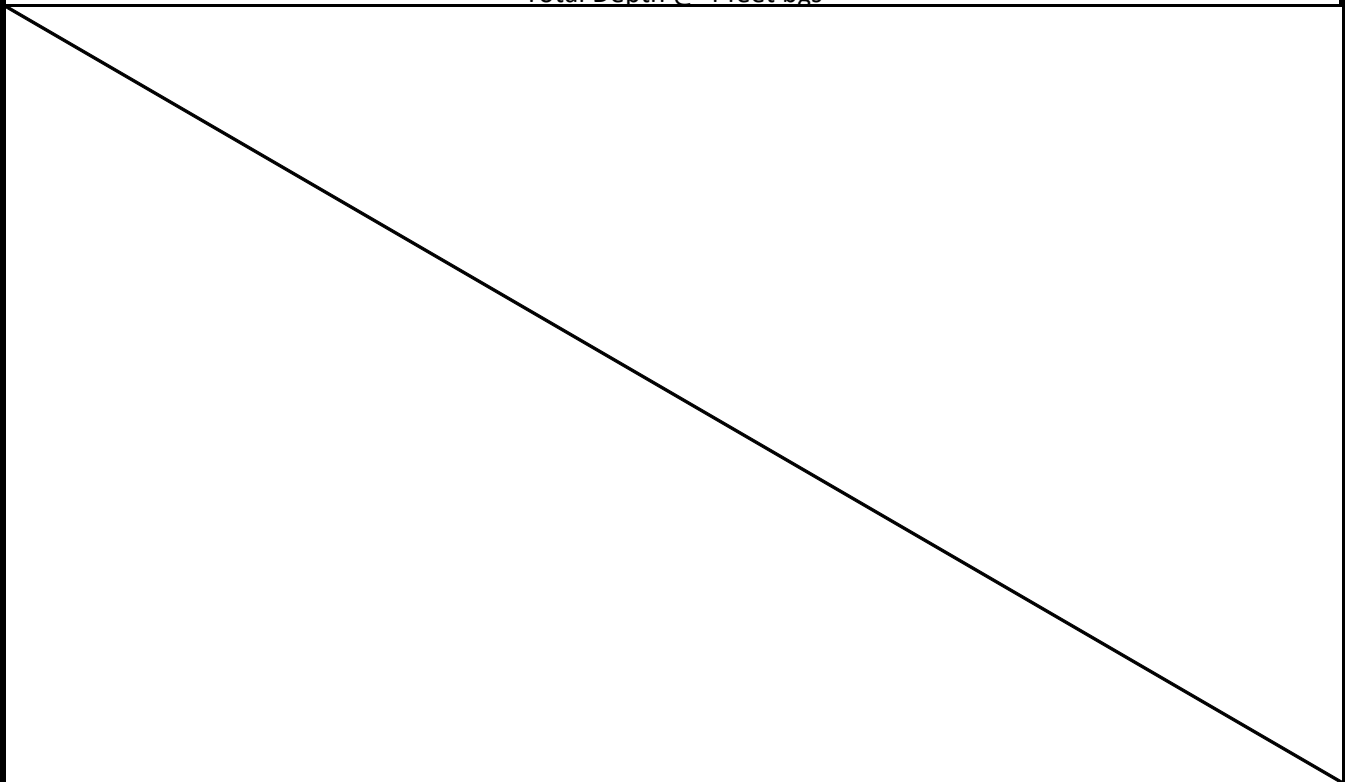
					Sample Name: SS02/BH02		Date: 11/11&13/2025	
					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: TBW		Method: Hand Auger	
Coordinates: 32.2380328, -103.8941364					Hole Diameter: 4"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	5236	0.9	N	SS02	0.5	0	SP-SC	(0-3') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	4939	0.4	N		1	1		
D	5359	0.4	N	BH02	2	2		
D	3236	0.3	N	BH02A	3	3		
Total Depth @ 3 feet bgs								
								


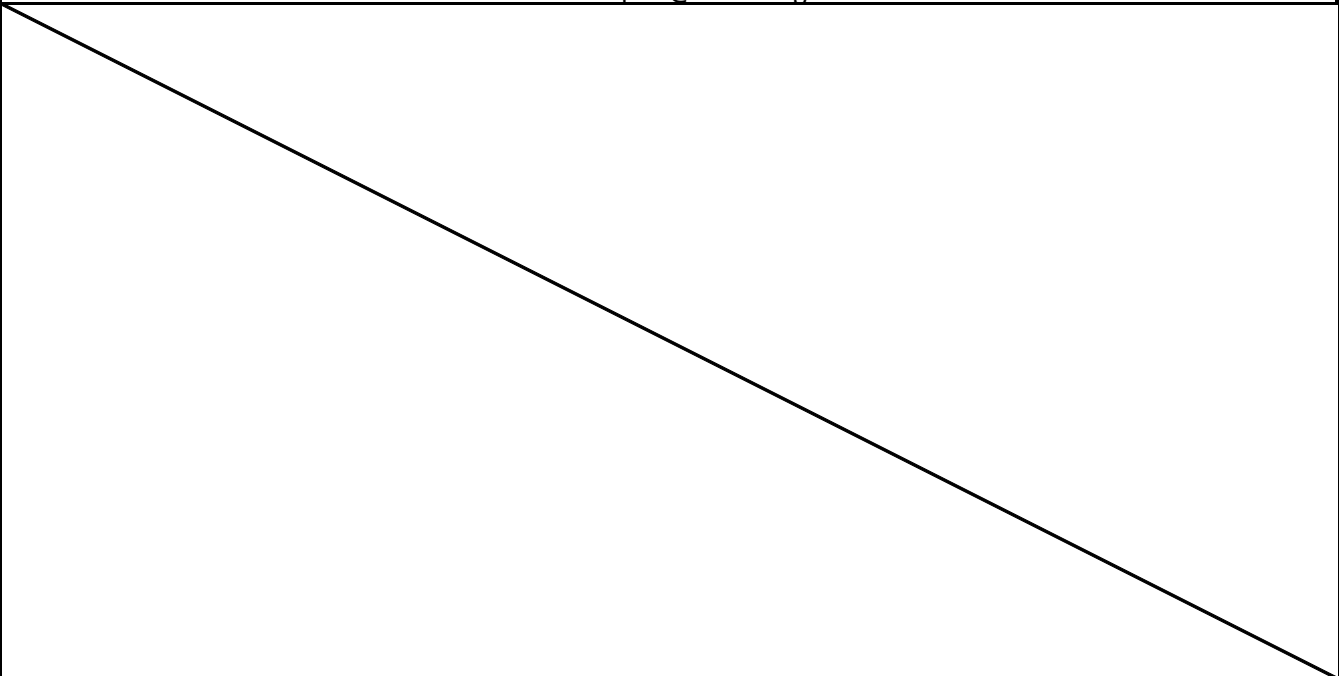
					Sample Name: SS03/BH03		Date: 11/11&12/2025	
					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: CFW		Method: Hand Auger	
Coordinates: 32.2377870, -103.8941598					Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	6642	0.4	N	SS03	0.5	0	SP-SC	(0-4') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	5757	0.0	N		1	1		
D	6776	0.0	N	BH03	2	2		
D	6776	0.0	N		3	3		
D	5298	0.0	N	BH03A	4	4		
Total Depth @ 4 feet bgs								
								


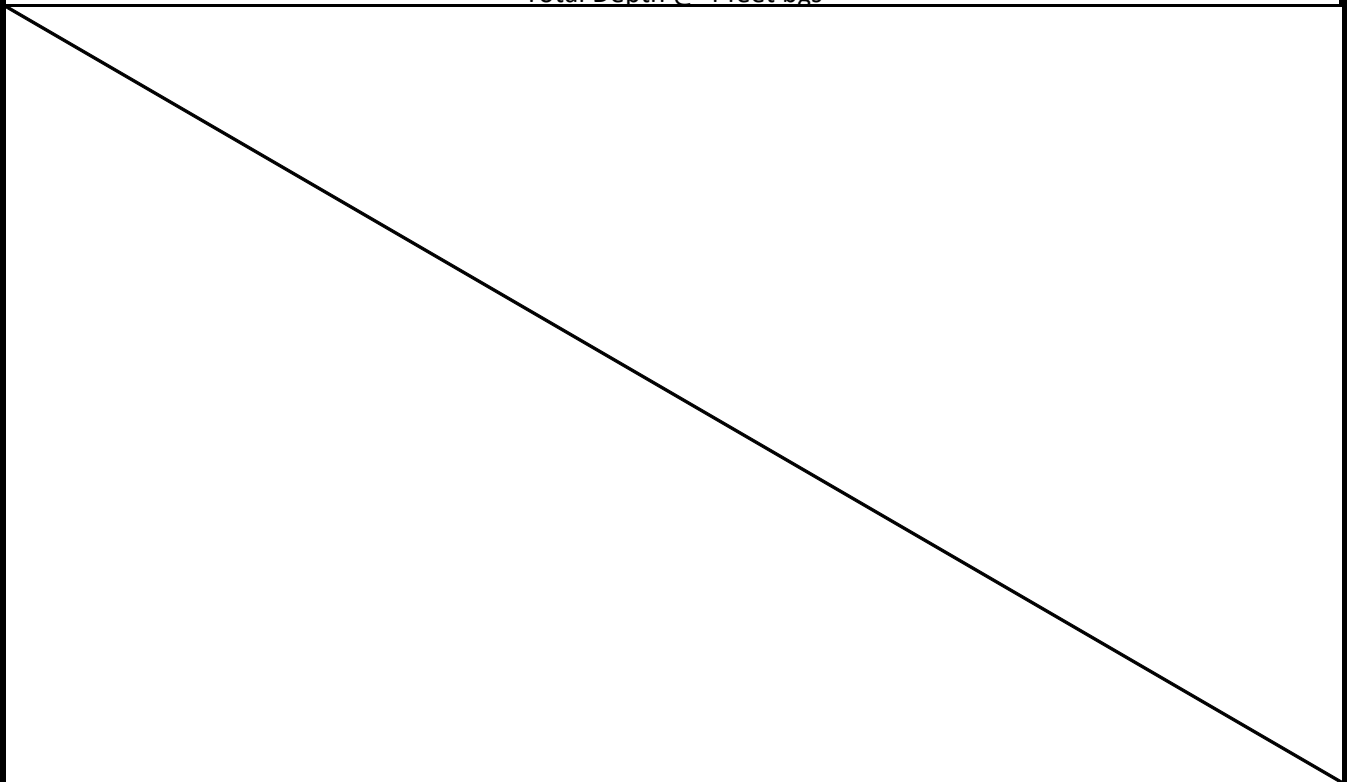
					Sample Name: SS04/BH04		Date: 11/11&12/2025	
					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: CFW		Method: Hand Auger	
Coordinates: 32.237604, -103.894179					Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	6642	0.1	N	SS04	0.5	0	SP-SC	(0-4') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	5298	0.0	N		1	1		
D	6250	0.0	N		2	2		
D	8596	0.3	N	BH04	3	3		
D	4458	0.0	N	BH04A	4	4		
Total Depth @ 4 feet bgs								
								


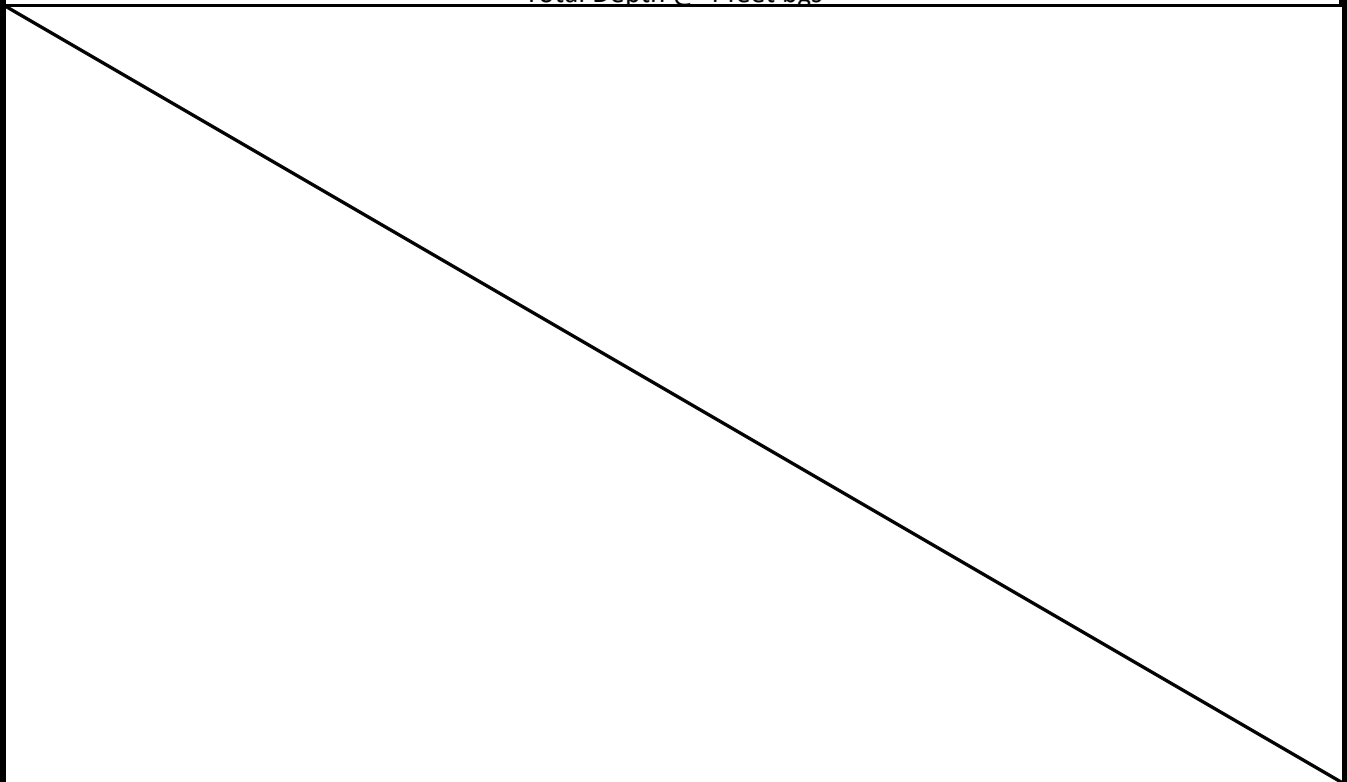
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					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: CFW		Method: Hand Auger	
Coordinates: 32.2373977, -103.8941853					Hole Diameter: 4"		Total Depth: 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. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	8422	0.1	N	SS05	0.5	0	SP-SC	(0-5') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	6642	0.0	N	BH05	1	1		
D	4827	0.0	N		2	2		
D	4827	0.0	N		3	3		
D	879	0.0	N	BH05A	4	4		
D	269	0.0	N	BH05B	5	5		
Total Depth @ 5 feet bgs								
								


					Sample Name: SS06/BH06		Date: 11/11&12/2025	
					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: CFW		Method: Hand Auger	
Coordinates: 32.2372135, -103.8942084					Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1226	0.0	N	SS06	0.5	0	SP-SC	(0-4') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	7190	0.0	N	BH06	1	1		
D	6642	0.0	N		2	2		
D	6642	0.3	N		3	3		
D	5667	0.0	N	BH06A	4	4		
Total Depth @ 4 feet bgs								
								


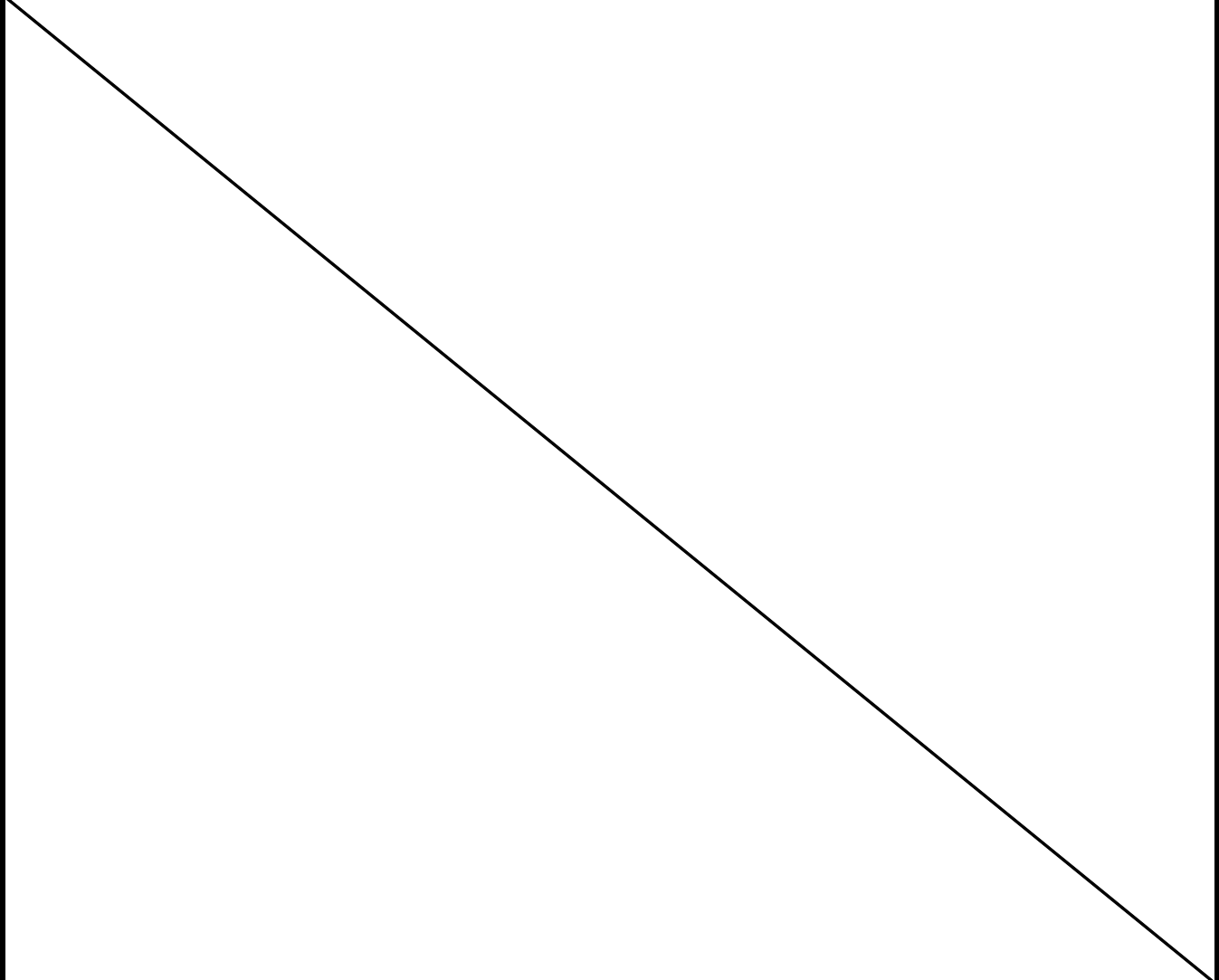
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							Site Name: Row 1 Booster			
							Incident Number: nAPP2530444782			
							Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: CFW		Method: Hand Auger	
Coordinates: 32.2370180, -103.8944739							Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	4452	0.1	N	SS07	0.5	0	SP-SC	(0-4') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor		
D	5667	0.0	N		1	1				
D	6642	0.0	N	BH07	2	2				
D	6642	0.3	N		3	3				
D	5667	0.0	N	BH07A	4	4				
Total Depth @ 4 feet bgs										
										


					Sample Name: SS08/BH08		Date: 11/11&12/2025	
					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: CFW		Method: Hand Auger	
Coordinates: 32.2369513, -103.8948720					Hole Diameter: 4"		Total Depth: 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. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	8422	0.0	N	SS08	0.5	0	SP-SC	(0-5') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	4452	0.0	N		1	1		
D	7190	0.0	N	BH08	2	2		
D	4827	0.0	N		3	3		
D	157	0.0	N	BH08A	4	4		
D	358	0.0	N		5	5		
Total Depth @ 5 feet bgs								
								

							Sample Name: SS09/BH09		Date: 11/11&13/2025	
							Site Name: Row 1 Booster			
							Incident Number: nAPP2530444782			
							Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: TBW		Method: Hand Auger	
Coordinates: 32.2367036, -103.8951257							Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	4452	0.0	N	SS09	0.5	0	SP-SC	(0-4') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor		
D	3847	0.6	N		1	1				
D	4390	0.3	N	BH09	2	2				
D	3847	0.4	N		3	3				
D	1792	0.1	N	BH09A	4	4				
Total Depth @ 4 feet bgs										
										

					Sample Name: SS10		Date: 11/11&13/2025	
					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: TBW		Method: Hand Auger	
Coordinates: 32.2362987, -103.8953106					Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	5667	0.0	N	SS10	0.5	0	SP-SC	(0-4') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	481.6	0.0	N		1	1		
D	179.2	0.0	N		2	2		
D	<179.2	0.0	N		3	3		
D	179.2	0.0	N		4	4		
Total Depth @ 4 feet bgs								
								

					Sample Name: SS11/BH11		Date: 11/11&13/2025	
					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: TBW		Method: Hand Auger	
Coordinates: 32.2363087, -103.8949797					Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<157	0.0	N	SS11	0.5	0	SP-SC	(0-4') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	<179.2	0.0	N	BH11	1	1		
D	<179.2	0.0	N		2	2		
D	<179.2	0.0	N		3	3		
D	<179.2	0.0	N		4	4		
Total Depth @ 4 feet bgs								
<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 100%; height: 100%;"></div>								

					Sample Name: SS12/BH12		Date: 11/11&13/2025	
					Site Name: Row 1 Booster			
					Incident Number: nAPP2530444782			
					Job Number: 03C1558773			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: TBW		Method: Hand Auger	
Coordinates: 32.2357187, -103.8952644					Hole Diameter: 4"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	7190	0.1	N	SS12	0.5	0	SP-SC	(0-1') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
D	<179.2	0.0	N	BH12	1	1		
Total Depth @ 1-foot bgs								
								

		Sample Name: BH13		Date: 11/12/2025				
		Site Name: Row 1 Booster						
		Incident Number: nAPP2530444782						
		Job Number: 03C1558773						
LITHOLOGIC / SOIL SAMPLING LOG				Logged By: CFW		Method: Hand Auger		
Coordinates: 32.2386011, -103.8941662				Hole Diameter: 4"		Total Depth: 22'		
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		(0-16') Open Excavation
D	8422	0.0	N	BH13	16	16	SP-SC	(16-22') Pasture SAND, fine grained, brown, with clay, poorly graded, well sorted, cohesive, no odor
						17		
D	8422	0.0	N		18	18		
						19		
D	7190	0.0	N		20	20		
						21		
D	5236	0.0	N	BH13A	22	22		
Total Depth @ 22 feet bgs								



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

November 19, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROW 1 BW

Enclosed are the results of analyses for samples received by the laboratory on 11/13/25 13:56.

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS01 0.5' (H257146-01)

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	11/13/2025	ND	1.91	95.6	2.00	0.848	
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271	
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605	
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841	
Total BTEX	<0.300	0.300	11/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	11/14/2025	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505	
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.1 % 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

Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS02 0.5' (H257146-02)

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	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1950	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505		
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND						

Surrogate: 1-Chlorooctane 82.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS03 0.5' (H257146-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505		
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND						

Surrogate: 1-Chlorooctane 84.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS04 0.5' (H257146-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505		
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND						

Surrogate: 1-Chlorooctane 77.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 68.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS05 0.5' (H257146-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505		
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND						

Surrogate: 1-Chlorooctane 84.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS06 0.5' (H257146-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505		
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND						

Surrogate: 1-Chlorooctane 84.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS07 0.5' (H257146-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2750	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505		
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND						

Surrogate: 1-Chlorooctane 85.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS08 0.5' (H257146-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505		
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND						

Surrogate: 1-Chlorooctane 82.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS09 0.5' (H257146-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2025	ND	184	91.8	200	0.505		
DRO >C10-C28*	<10.0	10.0	11/13/2025	ND	202	101	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	11/13/2025	ND						

Surrogate: 1-Chlorooctane 93.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS10 0.5' (H257146-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61		
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76		
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND						

Surrogate: 1-Chlorooctane 89.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.8 % 39.9-141

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Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS11 0.5' (H257146-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2025	ND	1.91	95.6	2.00	0.848		
Toluene*	<0.050	0.050	11/13/2025	ND	2.00	100	2.00	0.271		
Ethylbenzene*	<0.050	0.050	11/13/2025	ND	1.90	95.2	2.00	0.605		
Total Xylenes*	<0.150	0.150	11/13/2025	ND	5.68	94.6	6.00	0.0841		
Total BTEX	<0.300	0.300	11/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/14/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61		
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76		
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND						

Surrogate: 1-Chlorooctane 85.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.1 % 39.9-141

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Analytical Results For:

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

Received:	11/13/2025	Sampling Date:	11/11/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS12 0.5' (H257146-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2025	ND	1.96	98.0	2.00	1.12	
Toluene*	<0.050	0.050	11/14/2025	ND	1.97	98.4	2.00	1.37	
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.00	100	2.00	1.99	
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.23	104	6.00	1.52	
Total BTEX	<0.300	0.300	11/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	11/14/2025	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2025	ND	190	95.2	200	4.61	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	192	95.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.4 % 39.9-141

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

BILL TO ANALYSIS REQUEST

Project Manager: Tracy Hillard
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 575.937.3906 Fax #: 575.937.3906
 Project #: 05C1558773 Project Owner: XTO Energy, Inc
 Project Name: ZOM 1 B/W City: CARLSBAD
 Project Location: 32.238673, -103.894280 State: NM Zip: 88220
 Sampler Name: JARIS WRIGHT Phone #: 575.937.3906
 FOR LAB USE ONLY Fax #: 575.937.3906

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chlorides	TPH	BTEX
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
HAS7146	SS01	0.5	G	1							11/11/25	1022	✓	✓	✓	
	SS02	0.5	G	1							11/11/25	1020	✓	✓	✓	
	SS03	0.5	G	1							11/11/25	1018	✓	✓	✓	
	SS04	0.5	G	1							11/11/25	1016	✓	✓	✓	
	SS05	0.5	G	1							11/11/25	1015	✓	✓	✓	
	SS06	0.5	G	1							11/11/25	1011	✓	✓	✓	
	SS07	0.5	G	1							11/11/25	1119	✓	✓	✓	
	SS08	0.5	G	1							11/11/25	1121	✓	✓	✓	
	SS09	0.5	G	1							11/11/25	1107	✓	✓	✓	
	SS10	0.5	G	1							11/11/25	1111	✓	✓	✓	

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Relinquished By: [Signature] Date: 11-13-25
 Relinquished By: [Signature] Date: 11-13-25
 Received By: [Signature] Date: 11-13-25

Delivered By: (Circle One) Observed Temp. °C: 20.0
 Corrected Temp. °C: 20.0
 Sample Condition: Cool Intact Yes Yes No No
 CHECKED BY: [Signature]

Sampler - UPS - Bus - Other: Turnaround Time: Standard Rush
 Thermometer ID: 4140
 Correction Factor: 40.3

REMARKS: Incident: APP255044782 Cost Center: 1056171001
 Add'l Phone #: 575-4684015
 Email address: kthompson@ensolun.com
 Bacteria (only) Sample Condition: Cool Intact Yes Yes No No
 Corrected Temp. °C: 20.0



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Project Manager: Tracy Hillard

Address: 3122 National Parks Hwy

City: Carlsbad

Phone #: 575.937.3906

Project #: 05C1558773

Project Name: ZOM 1 BW

Project Location: 32.238673, -103.894280

Sampler Name: JARIS MREIGHT

FOR LAB USE ONLY

P.O. #: 054

Company: XTO Energy, Inc

Attn: Dale Woodall

Address: 3101 E. GREENE ST.

City: CARLSBAD

State: NM Zip: 88220

Phone #: 054

Fax #: 054

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chlorides	TPH	BTEX
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
HS-7146	11	5511	0.5	5							11/11/25	1116	✓	✓	✓	
	12	5512	0.5	5							11/11/25	1114	✓	✓	✓	

Relinquished By: [Signature]

Date: 11-13-25

Time: 1350

Date: [Blank]

Time: [Blank]

Date: [Blank]

Time: [Blank]

Date: [Blank]

Time: [Blank]

Date: [Blank]

Time: [Blank]

Date: [Blank]

Time: [Blank]

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Relinquished By: [Signature] Received By: [Signature] Verbal Result: Yes No Add'l Phone #: 05-04034015

REMARKS: Incident: NAPP255044782 Cost Center: 1056171001 Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C



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

December 03, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROW 1 BW

Enclosed are the results of analyses for samples received by the laboratory on 11/25/25 13:45.

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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS13 0.5' (H257412-01)

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	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS14 0.5' (H257412-02)

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	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS15 0.5' (H257412-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS16 0.5' (H257412-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS17 0.5' (H257412-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89		
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32		
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09		
Total BTEX	<0.300	0.300	11/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01		
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38		
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND						

Surrogate: 1-Chlorooctane 93.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS18 0.5' (H257412-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS19 0.5' (H257412-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89		
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32		
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09		
Total BTEX	<0.300	0.300	11/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01		
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38		
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND						

Surrogate: 1-Chlorooctane 97.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS20 0.5' (H257412-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS21 0.5' (H257412-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS22 0.5' (H257412-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS23 0.5' (H257412-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2025	ND	2.10	105	2.00	5.89	
Toluene*	<0.050	0.050	11/26/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS24 0.5' (H257412-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2025	ND	2.10	105	2.00	5.89	QM-07
Toluene*	<0.050	0.050	11/27/2025	ND	2.11	106	2.00	2.98	
Ethylbenzene*	<0.050	0.050	11/27/2025	ND	2.05	102	2.00	1.32	
Total Xylenes*	<0.150	0.150	11/27/2025	ND	6.21	103	6.00	1.09	
Total BTEX	<0.300	0.300	11/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS25 0.5' (H257412-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS26 0.5' (H257412-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS27 0.5' (H257412-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS28 0.5' (H257412-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS29 0.5' (H257412-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2025	ND	204	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/27/2025	ND	194	96.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	11/27/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS30 0.5' (H257412-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.6 % 39.9-141

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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS31 0.5' (H257412-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.4 % 39.9-141

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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS32 0.5' (H257412-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.9 % 39.9-141

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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS33 0.5' (H257412-21)

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	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.2 % 39.9-141

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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS34 0.5' (H257412-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.3 % 39.9-141

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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS35 0.5' (H257412-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS36 0.5' (H257412-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS37 0.5' (H257412-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS38 0.5' (H257412-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS39 0.5' (H257412-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS40 0.5' (H257412-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.8 % 39.9-141

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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS41 0.5' (H257412-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS42 0.5' (H257412-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.9 % 39.9-141

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Analytical Results For:

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

Received:	11/25/2025	Sampling Date:	11/24/2025
Reported:	12/03/2025	Sampling Type:	Soil
Project Name:	ROW 1 BW	Sampling Condition:	Cool & Intact
Project Number:	03C1558773	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.238673-103.894280		

Sample ID: SS43 0.5' (H257412-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2025	ND	2.27	114	2.00	0.0876	
Toluene*	<0.050	0.050	11/28/2025	ND	2.20	110	2.00	0.936	
Ethylbenzene*	<0.050	0.050	11/28/2025	ND	2.07	104	2.00	0.851	
Total Xylenes*	<0.150	0.150	11/28/2025	ND	6.30	105	6.00	0.996	
Total BTEX	<0.300	0.300	11/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2025	ND	198	99.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	11/26/2025	ND	180	89.8	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	11/26/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.2 % 39.9-141

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Tracy Hillard
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 575.937.3906 Fax #: CFM
 Project #: OJCLISS8773 Project Owner: XTO Energy, Inc
 Project Name: ROW 1 BW
 Project Location: 32.23673, -103.894280
 Sampler Name: UPS WEIGHT
 P.O. #: CFM
 Company: XTO Energy, Inc
 Attn: Dale Maddell
 Address: 3104 E. Grebe St.
 City: CARLSBAD
 State: NM Zip: 88220
 Phone #: CFM
 Fax #: CFM

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chlorides	TPH	BTEX
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
4887412	1	0.5	G	1								01/24/25	0935	✓	✓	✓
	8	0.5	G	1	✓							01/24/25	0937	✓	✓	✓
	3	0.5	G	1	✓							01/24/25	0939	✓	✓	✓
	4	0.5	G	1	✓							01/24/25	0941	✓	✓	✓
	5	0.5	G	1	✓							01/24/25	0942	✓	✓	✓
	4	0.5	G	1	✓							01/24/25	0943	✓	✓	✓
	7	0.5	G	1	✓							01/24/25	0945	✓	✓	✓
	8	0.5	G	1	✓							01/24/25	0947	✓	✓	✓
	9	0.5	G	1	✓							01/24/25	1025	✓	✓	✓
	10	0.5	G	1	✓							01/24/25	1026	✓	✓	✓

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Relinquished By: [Signature]
 Date: 1/25/25
 Received By: [Signature]
 Date: 1/25/25
 Time: [Blank]
 Turnaround Time: Standard Rush
 Thermometer ID: #140
 Correction Factor: +0.3
 Bacteria (only) Sample Condition
 Cool Intact Observed Temp. °C
 No Yes Corrected Temp. °C

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: -0.4
 Corrected Temp. °C: -0.3
 CHECKED BY: [Signature]
 Verbal Result: Yes No Add'l Phone #: [Blank]
 All Results are emailed. Please provide Email address: [Blank]
 REMARKS: Incident: n4pp2530444282 CFM: 48605000 - SPILLS
 Cost Center: 1056171001



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Tracy HILKED
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 575.937.3906 Fax #: 575
 Project #: 03C1558773 Project Owner: XTO Energy, Inc
 Project Name: ROW 1 BW
 Project Location: 32.238673, -103.894280
 Sampler Name: APES HEIGHT
 P.O. #: 654
 Company: XTO Energy, Inc
 Attn: Dale Woodall
 Address: 3104 E. GREENE ST.
 City: CARLSBAD
 State: NM Zip: 88220
 Phone #: 575
 Fax #: 575

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV		DATE	TIME	Chlorides	TPH	BTEX
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
11	SS23	0.5	G	1								11/24/25	1029	✓	✓	✓	
12	SS24	0.5	G	1								11/24/25	1031	✓	✓	✓	
13	SS25	0.5	G	1								11/24/25	1033	✓	✓	✓	
14	SS26	0.5	G	1								11/24/25	1035	✓	✓	✓	
15	SS27	0.5	G	1								11/24/25	1037	✓	✓	✓	
16	SS28	0.5	G	1								11/24/25	1040	✓	✓	✓	
17	SS29	0.5	G	1								11/24/25	1139	✓	✓	✓	
18	SS30	0.5	G	1								11/24/25	1142	✓	✓	✓	
19	SS31	0.5	G	1								11/24/25	1143	✓	✓	✓	
20	SS32	0.5	G	1								11/24/25	1146	✓	✓	✓	

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Relinquished By: [Signature] Date: 11-25-25 Received By: [Signature] Date: 11-25-25
 Time: 1:34:45
 Releasor: [Signature] Receiver: [Signature]

Delivered By: (Circle One) Observed Temp. °C: -0.6 Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: -0.3 Bacteria (only) Sample Condition: Cool Intact Yes No
 Turndown Time: Standard Bacteria Intact Yes No
 Thermometer ID: #148 Bush Correction Factor: +0.3°C

FORM-006 R 3.2 1/00/7/21
 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com
 REMARKS: Incident: 24PP25304 44222
 Cost Center: 056171001
 Add'l Phone #: 48605000 -SPILLS
 Email: 48605000 -SPILLS



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ensolium, LLC
 Project Manager: Tracy Hillard
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 575.937.3906 Fax #: 575.393.2476
 Project #: 03C1558773 Project Owner: XTO Energy, Inc
 Project Name: ROW 1 RW City: CARLSBAD
 Project Location: 32.258673, -103.894280 State: NM Zip: 88220
 Sampler Name: UPS WRIGHT Phone #: 575.393.2476
 Fax #: 575.393.2476

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV		DATE	TIME	Chlorides	TPH	BTEX
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
11857418	21 SS33	0.5	G	1								11/24/25	1148	✓	✓	✓	
	22 SS34	0.5	G	1								11/24/25	1150	✓	✓	✓	
	23 SS35	0.5	G	1								11/24/25	1155	✓	✓	✓	
	24 SS36	0.5	G	1								11/24/25	1157	✓	✓	✓	
	25 SS37	0.5	G	1								11/24/25	1329	✓	✓	✓	
	26 SS38	0.5	G	1								11/24/25	1331	✓	✓	✓	
	27 SS39	0.5	G	1								11/24/25	1333	✓	✓	✓	
	28 SS40	0.5	G	1								11/24/25	1335	✓	✓	✓	
	29 SS41	0.5	G	1								11/24/25	1337	✓	✓	✓	
	30 SS42	0.5	G	1								11/24/25	1341	✓	✓	✓	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claims are based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]
 Date: 11/25/25
 Received By: [Signature]
 Date: 11/25/25
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 kthomas@ensolium.com kthomas@ensolium.com christ@ensolium.com
 Incident: NADP2550444282
 Cost Center: 1056171001
 REMARKS: GRM: 48605000 - SPILLS

Delivered By: (Circle One) Observed Temp. °C: 0.4
 Corrected Temp. °C: 0.3
 Sample Condition: Cool Intact
 Checked By: [Signature]
 Turnaround Time: Standard Rush
 Thermometer ID: #140
 Correction Factor: +0.3
 Bacteria (only) Sample Condition: Cool Intact
 Corrected Temp. °C: []



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ensolium, LLC
 Project Manager: Tracy Mulard
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 575.937.3906 Fax #: 575.393.2476
 Project #: 03C1558773 Project Owner: XTO Energy, Inc
 Project Name: ROW 1 Bw
 Project Location: 32.238673, -105.894280
 Sampler Name: APRIS WRIGHT
 P.O. #: 054
 Company: XTO Energy, Inc
 Attn: Dale Modvall
 Address: 3101 E. GREENE ST.
 City: CARLSBAD
 State: NM Zip: 88220
 Phone #: 575.393.2476
 Fax #: 575.393.2476

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chlorides	TPH	BTEX
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
HAS-7412	31-SS43	0.5	61	1	✓							4/24/25	1343	✓	✓	✓

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 1/25/25 Time: 1345
 Received By: [Signature] Date: 1/25/25 Time: 1345
 Observed Temp. °C: 0.6 Corrected Temp. °C: 0.5
 Sample Condition: Cool Intact Yes No
 CHECKED BY: [Signature]
 Turnaround Time: Standard Rush
 Thermometer ID: #140 Correction Factor: +0.3°C
 Bacteria (only) Sample Condition: Cool Intact Yes No
 REMARKS: Incident: NAPP25S0444782 Cost Center: 1056171001 GRM: 48605000 -SPILLS
 Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: kelli@ensolium.com katherine@ensolium.com christi@ensolium.com
 FORM-006 R 3.2 10/07/21
 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tracy Hillard
Ensolum

601 N. Marienfeld St.
Suite 400

Midland, Texas 79701

Generated 11/22/2025 6:48:05 PM

JOB DESCRIPTION

Row 1 BW
03C1558773

JOB NUMBER

890-9068-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



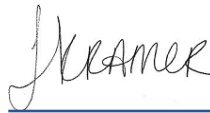
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Job Notes

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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11/22/2025 6:48:05 PM

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



Client: Ensolum
Project/Site: Row 1 BW

Laboratory Job ID: 890-9068-1
SDG: 03C1558773

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Definitions/Glossary

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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

Case Narrative

Client: Ensolum
Project: Row 1 BW

Job ID: 890-9068-1

Job ID: 890-9068-1

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Job Narrative 890-9068-1

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 11/13/2025 8:53 AM. 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 5.8°C.

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-124170 and analytical batch 880-124375 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH04A (890-9068-4), BH05A (890-9068-6), BH05B (890-9068-7), BH07 (890-9068-10) and BH08 (890-9068-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-124170 and analytical batch 880-124375 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH03 (890-9068-1), BH03A (890-9068-2), BH04 (890-9068-3), (CCV 880-124374/33), (CCV 880-124374/51), (LCS 880-124280/1-A), (LCSD 880-124280/2-A), (890-9068-A-1-E MS) and (890-9068-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-124280 and analytical batch 880-124374 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-124280 and analytical batch 880-124374 recovered outside control limits for the following analytes: o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-124384 and analytical batch 880-124375 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH05 (890-9068-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-124177 and analytical batch 880-124479 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-124409 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-124409/6).

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Case Narrative

Client: Ensolum
Project: Row 1 BW

Job ID: 890-9068-1

Job ID: 890-9068-1 (Continued)

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Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-9068-A-1-C MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-124392 and analytical batch 880-124654 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-124392/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124015 and analytical batch 880-124145 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.



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Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH03

Lab Sample ID: 890-9068-1

Date Collected: 11/12/25 14:18

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 2

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		11/18/25 09:06	11/20/25 00:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:06	11/20/25 00:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:06	11/20/25 00:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/18/25 09:06	11/20/25 00:06	1
o-Xylene	<0.00200	U **	0.00200	mg/Kg		11/18/25 09:06	11/20/25 00:06	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/18/25 09:06	11/20/25 00:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130			11/18/25 09:06	11/20/25 00:06	1
1,4-Difluorobenzene (Surr)	85		70 - 130			11/18/25 09:06	11/20/25 00:06	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			11/20/25 00:06	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			11/19/25 10:41	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		11/14/25 08:44	11/19/25 10:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 10:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 10:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130			11/14/25 08:44	11/19/25 10:41	1
o-Terphenyl	74		70 - 130			11/14/25 08:44	11/19/25 10:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5880		100	mg/Kg			11/17/25 15:24	10

Client Sample ID: BH03A

Lab Sample ID: 890-9068-2

Date Collected: 11/12/25 14:23

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

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		11/18/25 09:06	11/20/25 00:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/18/25 09:06	11/20/25 00:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/18/25 09:06	11/20/25 00:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/18/25 09:06	11/20/25 00:27	1
o-Xylene	<0.00201	U **	0.00201	mg/Kg		11/18/25 09:06	11/20/25 00:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/18/25 09:06	11/20/25 00:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130			11/18/25 09:06	11/20/25 00:27	1

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Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH03A

Lab Sample ID: 890-9068-2

Date Collected: 11/12/25 14:23

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	11/18/25 09:06	11/20/25 00:27	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			11/20/25 00:27	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			11/19/25 11:57	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		11/14/25 08:44	11/19/25 11:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 11:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	11/14/25 08:44	11/19/25 11:57	1
o-Terphenyl	77		70 - 130	11/14/25 08:44	11/19/25 11:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3200		50.4	mg/Kg			11/17/25 15:30	5

Client Sample ID: BH04

Lab Sample ID: 890-9068-3

Date Collected: 11/12/25 14:11

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 3

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		11/18/25 09:06	11/20/25 00:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/18/25 09:06	11/20/25 00:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/18/25 09:06	11/20/25 00:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/18/25 09:06	11/20/25 00:47	1
o-Xylene	<0.00199	U*	0.00199	mg/Kg		11/18/25 09:06	11/20/25 00:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/18/25 09:06	11/20/25 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	11/18/25 09:06	11/20/25 00:47	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/18/25 09:06	11/20/25 00:47	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			11/20/25 00:47	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			11/19/25 12:12	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH04

Lab Sample ID: 890-9068-3

Date Collected: 11/12/25 14:11

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 3

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		11/14/25 08:44	11/19/25 12:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 12:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	11/14/25 08:44	11/19/25 12:12	1
o-Terphenyl	78		70 - 130	11/14/25 08:44	11/19/25 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5540		101	mg/Kg			11/17/25 15:36	10

Client Sample ID: BH04A

Lab Sample ID: 890-9068-4

Date Collected: 11/12/25 14:14

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

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		11/17/25 10:08	11/20/25 04:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 04:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 04:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/17/25 10:08	11/20/25 04:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 04:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/25 10:08	11/20/25 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	11/17/25 10:08	11/20/25 04:20	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/17/25 10:08	11/20/25 04:20	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			11/20/25 04:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/19/25 12:27	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	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 12:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 12:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	11/14/25 08:44	11/19/25 12:27	1
o-Terphenyl	75		70 - 130	11/14/25 08:44	11/19/25 12:27	1

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Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH04A

Lab Sample ID: 890-9068-4

Date Collected: 11/12/25 14:14

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2730	F1	49.6	mg/Kg			11/17/25 15:42	5

Client Sample ID: BH05

Lab Sample ID: 890-9068-5

Date Collected: 11/12/25 12:39

Matrix: Solid

Date Received: 11/13/25 08:53

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		11/20/25 08:00	11/20/25 12:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/20/25 08:00	11/20/25 12:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/20/25 08:00	11/20/25 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/20/25 08:00	11/20/25 12:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/20/25 08:00	11/20/25 12:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/20/25 08:00	11/20/25 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	11/20/25 08:00	11/20/25 12:12	1
1,4-Difluorobenzene (Surr)	115		70 - 130	11/20/25 08:00	11/20/25 12:12	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			11/20/25 12:12	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			11/21/25 22:08	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		11/19/25 09:47	11/21/25 22:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0	mg/Kg		11/19/25 09:47	11/21/25 22:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	11/19/25 09:47	11/21/25 22:08	1
o-Terphenyl	90		70 - 130	11/19/25 09:47	11/21/25 22:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4070		49.9	mg/Kg			11/17/25 15:59	5

Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH05A

Lab Sample ID: 890-9068-6

Date Collected: 11/12/25 12:47

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

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		11/17/25 10:08	11/20/25 04:40	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 04:40	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 04:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/17/25 10:08	11/20/25 04:40	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 04:40	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/25 10:08	11/20/25 04:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	11/17/25 10:08	11/20/25 04:40	1
1,4-Difluorobenzene (Surr)	111		70 - 130	11/17/25 10:08	11/20/25 04:40	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			11/20/25 04:40	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			11/19/25 12:42	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		11/14/25 08:44	11/19/25 12:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 12:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	11/14/25 08:44	11/19/25 12:42	1
o-Terphenyl	82		70 - 130	11/14/25 08:44	11/19/25 12:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		10.1	mg/Kg			11/17/25 16:05	1

Client Sample ID: BH05B

Lab Sample ID: 890-9068-7

Date Collected: 11/12/25 12:49

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 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		11/17/25 10:08	11/20/25 05:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 05:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 05:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/17/25 10:08	11/20/25 05:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 05:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/25 10:08	11/20/25 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	11/17/25 10:08	11/20/25 05:02	1

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Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH05B

Lab Sample ID: 890-9068-7

Date Collected: 11/12/25 12:49

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	11/17/25 10:08	11/20/25 05:02	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			11/20/25 05:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/19/25 12:57	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	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	11/14/25 08:44	11/19/25 12:57	1
o-Terphenyl	77		70 - 130	11/14/25 08:44	11/19/25 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		10.1	mg/Kg			11/17/25 16:23	1

Client Sample ID: BH06

Lab Sample ID: 890-9068-8

Date Collected: 11/12/25 12:27

Matrix: Solid

Date Received: 11/13/25 08:53

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		11/20/25 08:00	11/20/25 12:33	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/20/25 08:00	11/20/25 12:33	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/20/25 08:00	11/20/25 12:33	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/20/25 08:00	11/20/25 12:33	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/20/25 08:00	11/20/25 12:33	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/20/25 08:00	11/20/25 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/20/25 08:00	11/20/25 12:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/20/25 08:00	11/20/25 12:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/20/25 12:33	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			11/21/25 22:23	1

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Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH06

Lab Sample ID: 890-9068-8

Date Collected: 11/12/25 12:27

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 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		11/19/25 09:47	11/21/25 22:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0	mg/Kg		11/19/25 09:47	11/21/25 22:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 22:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			11/19/25 09:47	11/21/25 22:23	1
o-Terphenyl	91		70 - 130			11/19/25 09:47	11/21/25 22:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4800		50.2	mg/Kg			11/17/25 16:29	5

Client Sample ID: BH06A

Lab Sample ID: 890-9068-9

Date Collected: 11/12/25 12:37

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

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		11/17/25 10:08	11/20/25 05:22	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/25 10:08	11/20/25 05:22	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/25 10:08	11/20/25 05:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/17/25 10:08	11/20/25 05:22	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/25 10:08	11/20/25 05:22	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/25 10:08	11/20/25 05:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			11/17/25 10:08	11/20/25 05:22	1
1,4-Difluorobenzene (Surr)	105		70 - 130			11/17/25 10:08	11/20/25 05:22	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			11/20/25 05:22	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			11/19/25 13:12	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		11/14/25 08:44	11/19/25 13:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 13:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130			11/14/25 08:44	11/19/25 13:12	1
o-Terphenyl	74		70 - 130			11/14/25 08:44	11/19/25 13:12	1

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Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH06A

Lab Sample ID: 890-9068-9

Date Collected: 11/12/25 12:37

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2920		49.7	mg/Kg			11/17/25 16:35	5

Client Sample ID: BH07

Lab Sample ID: 890-9068-10

Date Collected: 11/12/25 11:42

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 2

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		11/17/25 10:08	11/20/25 05:43	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/17/25 10:08	11/20/25 05:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/17/25 10:08	11/20/25 05:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		11/17/25 10:08	11/20/25 05:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/17/25 10:08	11/20/25 05:43	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/17/25 10:08	11/20/25 05:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130			11/17/25 10:08	11/20/25 05:43	1
1,4-Difluorobenzene (Surr)	103		70 - 130			11/17/25 10:08	11/20/25 05:43	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			11/20/25 05:43	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			11/19/25 13:28	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		11/14/25 08:44	11/19/25 13:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 13:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130			11/14/25 08:44	11/19/25 13:28	1
o-Terphenyl	77		70 - 130			11/14/25 08:44	11/19/25 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3820		49.6	mg/Kg			11/17/25 16:40	5

Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH07A

Lab Sample ID: 890-9068-11

Date Collected: 11/12/25 11:47

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

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		11/17/25 10:08	11/20/25 06:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 06:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 06:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/17/25 10:08	11/20/25 06:03	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/25 10:08	11/20/25 06:03	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/25 10:08	11/20/25 06:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	11/17/25 10:08	11/20/25 06:03	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/17/25 10:08	11/20/25 06:03	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			11/20/25 06:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/19/25 13:58	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	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 13:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 13:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/25 08:44	11/19/25 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	11/14/25 08:44	11/19/25 13:58	1
o-Terphenyl	80		70 - 130	11/14/25 08:44	11/19/25 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3140		49.9	mg/Kg			11/17/25 16:46	5

Client Sample ID: BH08

Lab Sample ID: 890-9068-12

Date Collected: 11/12/25 08:43

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 2

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		11/17/25 10:08	11/20/25 06:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 06:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 06:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/17/25 10:08	11/20/25 06:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 06:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/25 10:08	11/20/25 06:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	11/17/25 10:08	11/20/25 06:24	1

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Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH08

Lab Sample ID: 890-9068-12

Date Collected: 11/12/25 08:43

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107		70 - 130	11/17/25 10:08	11/20/25 06:24	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			11/20/25 06:24	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			11/19/25 14:13	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		11/14/25 08:44	11/19/25 14:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 14:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	11/14/25 08:44	11/19/25 14:13	1
o-Terphenyl	77		70 - 130	11/14/25 08:44	11/19/25 14:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3330		49.7	mg/Kg			11/17/25 16:52	5

Client Sample ID: BH08A

Lab Sample ID: 890-9068-13

Date Collected: 11/12/25 11:35

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

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		11/17/25 10:08	11/20/25 06:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 06:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 06:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/17/25 10:08	11/20/25 06:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/20/25 06:44	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/25 10:08	11/20/25 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	11/17/25 10:08	11/20/25 06:44	1
1,4-Difluorobenzene (Surr)	112		70 - 130	11/17/25 10:08	11/20/25 06:44	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			11/20/25 06:44	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			11/19/25 14:29	1

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Client Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH08A

Lab Sample ID: 890-9068-13

Date Collected: 11/12/25 11:35

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 4

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		11/14/25 08:44	11/19/25 14:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/14/25 08:44	11/19/25 14:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/14/25 08:44	11/19/25 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	11/14/25 08:44	11/19/25 14:29	1
o-Terphenyl	76		70 - 130	11/14/25 08:44	11/19/25 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		9.92	mg/Kg			11/17/25 16:58	1

Surrogate Summary

Client: Ensolum
 Project/Site: Row 1 BW

Job ID: 890-9068-1
 SDG: 03C1558773

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)
880-64829-A-21-E MS	Matrix Spike	127	107
880-64829-A-21-F MSD	Matrix Spike Duplicate	252 S1+	156 S1+
880-64992-A-1-C MS	Matrix Spike	109	110
880-64992-A-1-D MSD	Matrix Spike Duplicate	107	101
890-9068-1	BH03	148 S1+	85
890-9068-1 MS	BH03	147 S1+	87
890-9068-1 MSD	BH03	148 S1+	87
890-9068-2	BH03A	144 S1+	86
890-9068-3	BH04	143 S1+	88
890-9068-4	BH04A	134 S1+	117
890-9068-5	BH05	132 S1+	115
890-9068-6	BH05A	132 S1+	111
890-9068-7	BH05B	137 S1+	110
890-9068-8	BH06	113	107
890-9068-9	BH06A	124	105
890-9068-10	BH07	145 S1+	103
890-9068-11	BH07A	126	106
890-9068-12	BH08	138 S1+	107
890-9068-13	BH08A	126	112
LCS 880-124170/1-A	Lab Control Sample	100	98
LCS 880-124177/1-A	Lab Control Sample	102	101
LCS 880-124280/1-A	Lab Control Sample	156 S1+	88
LCSD 880-124170/2-A	Lab Control Sample Dup	109	103
LCSD 880-124177/2-A	Lab Control Sample Dup	110	112
LCSD 880-124280/2-A	Lab Control Sample Dup	144 S1+	86
MB 880-124170/5-A	Method Blank	175 S1+	96
MB 880-124177/5-A	Method Blank	193 S1+	103
MB 880-124280/5-A	Method Blank	130	81
MB 880-124384/5-A	Method Blank	178 S1+	94
MB 880-124390/5-A	Method Blank	127	82

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)
890-9068-1	BH03	74	74
890-9068-1 MS	BH03	69 S1-	78
890-9068-1 MSD	BH03	70	77
890-9068-2	BH03A	74	77
890-9068-3	BH04	75	78
890-9068-4	BH04A	75	75
890-9068-5	BH05	83	90
890-9068-6	BH05A	77	82
890-9068-7	BH05B	74	77

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Surrogate Summary

Client: Ensolum
 Project/Site: Row 1 BW

Job ID: 890-9068-1
 SDG: 03C1558773

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9068-8	BH06	82	91
890-9068-9	BH06A	73	74
890-9068-10	BH07	73	77
890-9068-11	BH07A	78	80
890-9068-12	BH08	76	77
890-9068-13	BH08A	74	76
890-9096-A-7-C MS	Matrix Spike	89	81
890-9096-A-7-D MSD	Matrix Spike Duplicate	91	82
LCS 880-124022/2-A	Lab Control Sample	81	89
LCS 880-124392/2-A	Lab Control Sample	72	66 S1-
LCSD 880-124022/3-A	Lab Control Sample Dup	81	88
LCSD 880-124392/3-A	Lab Control Sample Dup	67 S1-	76
MB 880-124022/1-A	Method Blank	77	84
MB 880-124392/1-A	Method Blank	83	88

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

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

QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-124170/5-A
Matrix: Solid
Analysis Batch: 124375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124170

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/19/25 22:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/19/25 22:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/19/25 22:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/17/25 10:08	11/19/25 22:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:08	11/19/25 22:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/25 10:08	11/19/25 22:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130	11/17/25 10:08	11/19/25 22:15	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/17/25 10:08	11/19/25 22:15	1

Lab Sample ID: LCS 880-124170/1-A
Matrix: Solid
Analysis Batch: 124375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1023		mg/Kg		102	70 - 130
Toluene	0.100	0.08946		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1066		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-124170/2-A
Matrix: Solid
Analysis Batch: 124375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124170

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1062		mg/Kg		106	70 - 130	4	35
Toluene	0.100	0.09652		mg/Kg		97	70 - 130	8	35
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2218		mg/Kg		111	70 - 130	5	35
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-64829-A-21-E MS
Matrix: Solid
Analysis Batch: 124375

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 124170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F1	0.100	0.04577	F1	mg/Kg		46	70 - 130
Toluene	<0.00198	U F1	0.100	0.03514	F1	mg/Kg		35	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

Lab Sample ID: 880-64829-A-21-E MS
Matrix: Solid
Analysis Batch: 124375

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 124170

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00198	U F1 F2	0.100	0.03352	F1	mg/Kg		34	70 - 130
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.200	0.09844	F1	mg/Kg		49	70 - 130
o-Xylene	<0.00198	U F1 F2	0.100	0.06708	F1	mg/Kg		67	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-64829-A-21-F MSD
Matrix: Solid
Analysis Batch: 124375

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 124170

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00198	U F1	0.100	0.05994	F1	mg/Kg		60	70 - 130	27	35
Toluene	<0.00198	U F1	0.100	0.02565	F1	mg/Kg		26	70 - 130	31	35
Ethylbenzene	<0.00198	U F1 F2	0.100	0.04891	F1 F2	mg/Kg		49	70 - 130	37	35
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.200	0.1515	F2	mg/Kg		76	70 - 130	42	35
o-Xylene	<0.00198	U F1 F2	0.100	0.1041	F2	mg/Kg		104	70 - 130	43	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	252	S1+	70 - 130
1,4-Difluorobenzene (Surr)	156	S1+	70 - 130

Lab Sample ID: MB 880-124177/5-A
Matrix: Solid
Analysis Batch: 124479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124177

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:13	11/20/25 11:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:13	11/20/25 11:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:13	11/20/25 11:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/17/25 10:13	11/20/25 11:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/25 10:13	11/20/25 11:03	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/25 10:13	11/20/25 11:03	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	193	S1+	70 - 130	11/17/25 10:13	11/20/25 11:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/17/25 10:13	11/20/25 11:03	1

Lab Sample ID: LCS 880-124177/1-A
Matrix: Solid
Analysis Batch: 124479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124177

Analyte	Spike	Added	LCS	LCS	Unit	D	%Rec	%Rec
			Result	Qualifier				
Benzene	0.100	0.09013			mg/Kg		90	70 - 130
Toluene	0.100	0.08490			mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08586			mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1751			mg/Kg		88	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

Lab Sample ID: LCS 880-124177/1-A
Matrix: Solid
Analysis Batch: 124479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08547		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-124177/2-A
Matrix: Solid
Analysis Batch: 124479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1021		mg/Kg		102	70 - 130	12	35
Toluene	0.100	0.08928		mg/Kg		89	70 - 130	5	35
Ethylbenzene	0.100	0.09304		mg/Kg		93	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2157		mg/Kg		108	70 - 130	21	35
o-Xylene	0.100	0.1102		mg/Kg		110	70 - 130	25	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-64992-A-1-C MS
Matrix: Solid
Analysis Batch: 124479

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 124177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1154		mg/Kg		115	70 - 130
Toluene	<0.00200	U	0.100	0.09745		mg/Kg		97	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2250		mg/Kg		112	70 - 130
o-Xylene	<0.00200	U	0.100	0.1141		mg/Kg		114	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-64992-A-1-D MSD
Matrix: Solid
Analysis Batch: 124479

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 124177

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1114		mg/Kg		111	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09470		mg/Kg		95	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1004		mg/Kg		100	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2243		mg/Kg		112	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.1162		mg/Kg		116	70 - 130	2	35

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QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

Lab Sample ID: 880-64992-A-1-D MSD
Matrix: Solid
Analysis Batch: 124479

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 124177

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

Lab Sample ID: MB 880-124280/5-A
Matrix: Solid
Analysis Batch: 124374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124280

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:06	11/19/25 23:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:06	11/19/25 23:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:06	11/19/25 23:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/18/25 09:06	11/19/25 23:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:06	11/19/25 23:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/18/25 09:06	11/19/25 23:45	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	130		70 - 130	11/18/25 09:06	11/19/25 23:45	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/18/25 09:06	11/19/25 23:45	1

Lab Sample ID: LCS 880-124280/1-A
Matrix: Solid
Analysis Batch: 124374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124280

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1167		mg/Kg		117	70 - 130
Toluene	0.100	0.1121		mg/Kg		112	70 - 130
Ethylbenzene	0.100	0.1207		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2327		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1323	*+	mg/Kg		132	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-124280/2-A
Matrix: Solid
Analysis Batch: 124374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124280

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1132		mg/Kg		113	70 - 130	3	35
Toluene	0.100	0.1103		mg/Kg		110	70 - 130	2	35
Ethylbenzene	0.100	0.1178		mg/Kg		118	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2297		mg/Kg		115	70 - 130	1	35
o-Xylene	0.100	0.1194		mg/Kg		119	70 - 130	10	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

Lab Sample ID: LCSD 880-124280/2-A
Matrix: Solid
Analysis Batch: 124374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124280

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 890-9068-1 MS
Matrix: Solid
Analysis Batch: 124374

Client Sample ID: BH03
Prep Type: Total/NA
Prep Batch: 124280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1104		mg/Kg		110	70 - 130
Toluene	<0.00200	U	0.100	0.1049		mg/Kg		105	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1134		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2182		mg/Kg		109	70 - 130
o-Xylene	<0.00200	U *	0.100	0.1119		mg/Kg		112	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-9068-1 MSD
Matrix: Solid
Analysis Batch: 124374

Client Sample ID: BH03
Prep Type: Total/NA
Prep Batch: 124280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1119		mg/Kg		112	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.1067		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1157		mg/Kg		116	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2257		mg/Kg		113	70 - 130	3	35
o-Xylene	<0.00200	U *	0.100	0.1135		mg/Kg		113	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-124384/5-A
Matrix: Solid
Analysis Batch: 124375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124384

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/19/25 08:49	11/19/25 10:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 08:49	11/19/25 10:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 08:49	11/19/25 10:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/19/25 08:49	11/19/25 10:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 08:49	11/19/25 10:38	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/19/25 08:49	11/19/25 10:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130	11/19/25 08:49	11/19/25 10:38	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/19/25 08:49	11/19/25 10:38	1

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QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

Lab Sample ID: MB 880-124390/5-A
Matrix: Solid
Analysis Batch: 124374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124390

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/19/25 09:36	11/19/25 11:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 09:36	11/19/25 11:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 09:36	11/19/25 11:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/19/25 09:36	11/19/25 11:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 09:36	11/19/25 11:02	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/19/25 09:36	11/19/25 11:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	11/19/25 09:36	11/19/25 11:02	1
1,4-Difluorobenzene (Surr)	82		70 - 130	11/19/25 09:36	11/19/25 11:02	1

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

Lab Sample ID: MB 880-124022/1-A
Matrix: Solid
Analysis Batch: 124409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124022

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		11/14/25 08:44	11/19/25 01:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 01:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 08:44	11/19/25 01:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	11/14/25 08:44	11/19/25 01:39	1
o-Terphenyl	84		70 - 130	11/14/25 08:44	11/19/25 01:39	1

Lab Sample ID: LCS 880-124022/2-A
Matrix: Solid
Analysis Batch: 124409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.0		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	894.7		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: LCSD 880-124022/3-A
Matrix: Solid
Analysis Batch: 124409

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124022

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	993.0		mg/Kg		99	70 - 130	1	20

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QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

Lab Sample ID: LCSD 880-124022/3-A
Matrix: Solid
Analysis Batch: 124409

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124022

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	898.9		mg/Kg		90	70 - 130	0	20
Surrogate		LCSD %Recovery	LCSD Qualifier						
1-Chlorooctane		81							70 - 130
o-Terphenyl		88							70 - 130

Lab Sample ID: 890-9068-1 MS
Matrix: Solid
Analysis Batch: 124409

Client Sample ID: BH03
Prep Type: Total/NA
Prep Batch: 124022

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	997	838.5		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	769.7		mg/Kg		77	70 - 130
Surrogate		MS %Recovery		MS Qualifier					
1-Chlorooctane		69		S1-					70 - 130
o-Terphenyl		78							70 - 130

Lab Sample ID: 890-9068-1 MSD
Matrix: Solid
Analysis Batch: 124409

Client Sample ID: BH03
Prep Type: Total/NA
Prep Batch: 124022

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	997	864.5		mg/Kg		85	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	780.9		mg/Kg		78	70 - 130	1	20
Surrogate		MSD %Recovery		MSD Qualifier							
1-Chlorooctane		70									70 - 130
o-Terphenyl		77									70 - 130

Lab Sample ID: MB 880-124392/1-A
Matrix: Solid
Analysis Batch: 124654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124392

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		11/19/25 09:47	11/21/25 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 17:33	1
Surrogate		MB %Recovery				Prepared	Analyzed	Dil Fac
1-Chlorooctane		83				11/19/25 09:47	11/21/25 17:33	1
o-Terphenyl		88				11/19/25 09:47	11/21/25 17:33	1

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QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

Lab Sample ID: LCS 880-124392/2-A
Matrix: Solid
Analysis Batch: 124654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	774.1		mg/Kg		77	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	680.6	*-	mg/Kg		68	70 - 130	
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
1-Chlorooctane	72		70 - 130					
o-Terphenyl	66	S1-	70 - 130					

Lab Sample ID: LCSD 880-124392/3-A
Matrix: Solid
Analysis Batch: 124654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124392

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.8		mg/Kg		87	70 - 130	11	20	
Diesel Range Organics (Over C10-C28)	1000	810.3		mg/Kg		81	70 - 130	17	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	67	S1-	70 - 130							
o-Terphenyl	76		70 - 130							

Lab Sample ID: 890-9096-A-7-C MS
Matrix: Solid
Analysis Batch: 124654

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 124392

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	995	836.7		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U *-	995	701.1		mg/Kg		70	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	89		70 - 130							
o-Terphenyl	81		70 - 130							

Lab Sample ID: 890-9096-A-7-D MSD
Matrix: Solid
Analysis Batch: 124654

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 124392

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	995	849.4		mg/Kg		84	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.8	U *-	995	698.0		mg/Kg		70	70 - 130	0	20	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	91		70 - 130									

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QC Sample Results

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

Lab Sample ID: 890-9096-A-7-D MSD
Matrix: Solid
Analysis Batch: 124654

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 124392

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	82		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124015/1-A
Matrix: Solid
Analysis Batch: 124145

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			11/17/25 14:02	1

Lab Sample ID: LCS 880-124015/2-A
Matrix: Solid
Analysis Batch: 124145

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.7		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-124015/3-A
Matrix: Solid
Analysis Batch: 124145

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	242.3		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-9068-4 MS
Matrix: Solid
Analysis Batch: 124145

Client Sample ID: BH04A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2730	F1	1240	4132	F1	mg/Kg		113	90 - 110

Lab Sample ID: 890-9068-4 MSD
Matrix: Solid
Analysis Batch: 124145

Client Sample ID: BH04A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2730	F1	1240	4136	F1	mg/Kg		113	90 - 110	0	20

QC Association Summary

Client: Ensum
Project/Site: Row 1 BWJob ID: 890-9068-1
SDG: 03C1558773

GC VOA

Prep Batch: 124170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-4	BH04A	Total/NA	Solid	5035	
890-9068-6	BH05A	Total/NA	Solid	5035	
890-9068-7	BH05B	Total/NA	Solid	5035	
890-9068-9	BH06A	Total/NA	Solid	5035	
890-9068-10	BH07	Total/NA	Solid	5035	
890-9068-11	BH07A	Total/NA	Solid	5035	
890-9068-12	BH08	Total/NA	Solid	5035	
890-9068-13	BH08A	Total/NA	Solid	5035	
MB 880-124170/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124170/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124170/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-64829-A-21-E MS	Matrix Spike	Total/NA	Solid	5035	
880-64829-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 124177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-5	BH05	Total/NA	Solid	5035	
890-9068-8	BH06	Total/NA	Solid	5035	
MB 880-124177/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124177/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124177/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-64992-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-64992-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 124280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-1	BH03	Total/NA	Solid	5035	
890-9068-2	BH03A	Total/NA	Solid	5035	
890-9068-3	BH04	Total/NA	Solid	5035	
MB 880-124280/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124280/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124280/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9068-1 MS	BH03	Total/NA	Solid	5035	
890-9068-1 MSD	BH03	Total/NA	Solid	5035	

Analysis Batch: 124374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-1	BH03	Total/NA	Solid	8021B	124280
890-9068-2	BH03A	Total/NA	Solid	8021B	124280
890-9068-3	BH04	Total/NA	Solid	8021B	124280
MB 880-124280/5-A	Method Blank	Total/NA	Solid	8021B	124280
MB 880-124390/5-A	Method Blank	Total/NA	Solid	8021B	124390
LCS 880-124280/1-A	Lab Control Sample	Total/NA	Solid	8021B	124280
LCSD 880-124280/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124280
890-9068-1 MS	BH03	Total/NA	Solid	8021B	124280
890-9068-1 MSD	BH03	Total/NA	Solid	8021B	124280

Analysis Batch: 124375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-4	BH04A	Total/NA	Solid	8021B	124170
890-9068-6	BH05A	Total/NA	Solid	8021B	124170

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QC Association Summary

Client: Ensolum
 Project/Site: Row 1 BW

Job ID: 890-9068-1
 SDG: 03C1558773

GC VOA (Continued)

Analysis Batch: 124375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-7	BH05B	Total/NA	Solid	8021B	124170
890-9068-9	BH06A	Total/NA	Solid	8021B	124170
890-9068-10	BH07	Total/NA	Solid	8021B	124170
890-9068-11	BH07A	Total/NA	Solid	8021B	124170
890-9068-12	BH08	Total/NA	Solid	8021B	124170
890-9068-13	BH08A	Total/NA	Solid	8021B	124170
MB 880-124170/5-A	Method Blank	Total/NA	Solid	8021B	124170
MB 880-124384/5-A	Method Blank	Total/NA	Solid	8021B	124384
LCS 880-124170/1-A	Lab Control Sample	Total/NA	Solid	8021B	124170
LCS 880-124170/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124170
880-64829-A-21-E MS	Matrix Spike	Total/NA	Solid	8021B	124170
880-64829-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124170

Prep Batch: 124384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124384/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 124390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124390/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 124479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-5	BH05	Total/NA	Solid	8021B	124177
890-9068-8	BH06	Total/NA	Solid	8021B	124177
MB 880-124177/5-A	Method Blank	Total/NA	Solid	8021B	124177
LCS 880-124177/1-A	Lab Control Sample	Total/NA	Solid	8021B	124177
LCS 880-124177/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124177
880-64992-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	124177
880-64992-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124177

Analysis Batch: 124554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-1	BH03	Total/NA	Solid	Total BTEX	
890-9068-2	BH03A	Total/NA	Solid	Total BTEX	
890-9068-3	BH04	Total/NA	Solid	Total BTEX	
890-9068-4	BH04A	Total/NA	Solid	Total BTEX	
890-9068-5	BH05	Total/NA	Solid	Total BTEX	
890-9068-6	BH05A	Total/NA	Solid	Total BTEX	
890-9068-7	BH05B	Total/NA	Solid	Total BTEX	
890-9068-8	BH06	Total/NA	Solid	Total BTEX	
890-9068-9	BH06A	Total/NA	Solid	Total BTEX	
890-9068-10	BH07	Total/NA	Solid	Total BTEX	
890-9068-11	BH07A	Total/NA	Solid	Total BTEX	
890-9068-12	BH08	Total/NA	Solid	Total BTEX	
890-9068-13	BH08A	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: Row 1 BWJob ID: 890-9068-1
SDG: 03C1558773

GC Semi VOA

Prep Batch: 124022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-1	BH03	Total/NA	Solid	8015NM Prep	
890-9068-2	BH03A	Total/NA	Solid	8015NM Prep	
890-9068-3	BH04	Total/NA	Solid	8015NM Prep	
890-9068-4	BH04A	Total/NA	Solid	8015NM Prep	
890-9068-6	BH05A	Total/NA	Solid	8015NM Prep	
890-9068-7	BH05B	Total/NA	Solid	8015NM Prep	
890-9068-9	BH06A	Total/NA	Solid	8015NM Prep	
890-9068-10	BH07	Total/NA	Solid	8015NM Prep	
890-9068-11	BH07A	Total/NA	Solid	8015NM Prep	
890-9068-12	BH08	Total/NA	Solid	8015NM Prep	
890-9068-13	BH08A	Total/NA	Solid	8015NM Prep	
MB 880-124022/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124022/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124022/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9068-1 MS	BH03	Total/NA	Solid	8015NM Prep	
890-9068-1 MSD	BH03	Total/NA	Solid	8015NM Prep	

Prep Batch: 124392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-5	BH05	Total/NA	Solid	8015NM Prep	
890-9068-8	BH06	Total/NA	Solid	8015NM Prep	
MB 880-124392/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124392/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124392/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9096-A-7-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9096-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-1	BH03	Total/NA	Solid	8015B NM	124022
890-9068-2	BH03A	Total/NA	Solid	8015B NM	124022
890-9068-3	BH04	Total/NA	Solid	8015B NM	124022
890-9068-4	BH04A	Total/NA	Solid	8015B NM	124022
890-9068-6	BH05A	Total/NA	Solid	8015B NM	124022
890-9068-7	BH05B	Total/NA	Solid	8015B NM	124022
890-9068-9	BH06A	Total/NA	Solid	8015B NM	124022
890-9068-10	BH07	Total/NA	Solid	8015B NM	124022
890-9068-11	BH07A	Total/NA	Solid	8015B NM	124022
890-9068-12	BH08	Total/NA	Solid	8015B NM	124022
890-9068-13	BH08A	Total/NA	Solid	8015B NM	124022
MB 880-124022/1-A	Method Blank	Total/NA	Solid	8015B NM	124022
LCS 880-124022/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124022
LCSD 880-124022/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124022
890-9068-1 MS	BH03	Total/NA	Solid	8015B NM	124022
890-9068-1 MSD	BH03	Total/NA	Solid	8015B NM	124022

Analysis Batch: 124456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-1	BH03	Total/NA	Solid	8015 NM	
890-9068-2	BH03A	Total/NA	Solid	8015 NM	
890-9068-3	BH04	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum
Project/Site: Row 1 BWJob ID: 890-9068-1
SDG: 03C1558773

GC Semi VOA (Continued)

Analysis Batch: 124456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-4	BH04A	Total/NA	Solid	8015 NM	
890-9068-5	BH05	Total/NA	Solid	8015 NM	
890-9068-6	BH05A	Total/NA	Solid	8015 NM	
890-9068-7	BH05B	Total/NA	Solid	8015 NM	
890-9068-8	BH06	Total/NA	Solid	8015 NM	
890-9068-9	BH06A	Total/NA	Solid	8015 NM	
890-9068-10	BH07	Total/NA	Solid	8015 NM	
890-9068-11	BH07A	Total/NA	Solid	8015 NM	
890-9068-12	BH08	Total/NA	Solid	8015 NM	
890-9068-13	BH08A	Total/NA	Solid	8015 NM	

Analysis Batch: 124654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-5	BH05	Total/NA	Solid	8015B NM	124392
890-9068-8	BH06	Total/NA	Solid	8015B NM	124392
MB 880-124392/1-A	Method Blank	Total/NA	Solid	8015B NM	124392
LCS 880-124392/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124392
LCS 880-124392/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124392
890-9096-A-7-C MS	Matrix Spike	Total/NA	Solid	8015B NM	124392
890-9096-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	124392

HPLC/IC

Leach Batch: 124015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-1	BH03	Soluble	Solid	DI Leach	
890-9068-2	BH03A	Soluble	Solid	DI Leach	
890-9068-3	BH04	Soluble	Solid	DI Leach	
890-9068-4	BH04A	Soluble	Solid	DI Leach	
890-9068-5	BH05	Soluble	Solid	DI Leach	
890-9068-6	BH05A	Soluble	Solid	DI Leach	
890-9068-7	BH05B	Soluble	Solid	DI Leach	
890-9068-8	BH06	Soluble	Solid	DI Leach	
890-9068-9	BH06A	Soluble	Solid	DI Leach	
890-9068-10	BH07	Soluble	Solid	DI Leach	
890-9068-11	BH07A	Soluble	Solid	DI Leach	
890-9068-12	BH08	Soluble	Solid	DI Leach	
890-9068-13	BH08A	Soluble	Solid	DI Leach	
MB 880-124015/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124015/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-124015/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9068-4 MS	BH04A	Soluble	Solid	DI Leach	
890-9068-4 MSD	BH04A	Soluble	Solid	DI Leach	

Analysis Batch: 124145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-1	BH03	Soluble	Solid	300.0	124015
890-9068-2	BH03A	Soluble	Solid	300.0	124015
890-9068-3	BH04	Soluble	Solid	300.0	124015
890-9068-4	BH04A	Soluble	Solid	300.0	124015
890-9068-5	BH05	Soluble	Solid	300.0	124015

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QC Association Summary

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

HPLC/IC (Continued)

Analysis Batch: 124145 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9068-6	BH05A	Soluble	Solid	300.0	124015
890-9068-7	BH05B	Soluble	Solid	300.0	124015
890-9068-8	BH06	Soluble	Solid	300.0	124015
890-9068-9	BH06A	Soluble	Solid	300.0	124015
890-9068-10	BH07	Soluble	Solid	300.0	124015
890-9068-11	BH07A	Soluble	Solid	300.0	124015
890-9068-12	BH08	Soluble	Solid	300.0	124015
890-9068-13	BH08A	Soluble	Solid	300.0	124015
MB 880-124015/1-A	Method Blank	Soluble	Solid	300.0	124015
LCS 880-124015/2-A	Lab Control Sample	Soluble	Solid	300.0	124015
LCSD 880-124015/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124015
890-9068-4 MS	BH04A	Soluble	Solid	300.0	124015
890-9068-4 MSD	BH04A	Soluble	Solid	300.0	124015

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Lab Chronicle

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH03

Lab Sample ID: 890-9068-1

Date Collected: 11/12/25 14:18

Matrix: Solid

Date Received: 11/13/25 08:53

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	124280	11/18/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124374	11/20/25 00:06	SA	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 00:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 10:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 10:41	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10			124145	11/17/25 15:24	CS	EET MID

Client Sample ID: BH03A

Lab Sample ID: 890-9068-2

Date Collected: 11/12/25 14:23

Matrix: Solid

Date Received: 11/13/25 08:53

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	124280	11/18/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124374	11/20/25 00:27	SA	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 00:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 11:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 11:57	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5			124145	11/17/25 15:30	CS	EET MID

Client Sample ID: BH04

Lab Sample ID: 890-9068-3

Date Collected: 11/12/25 14:11

Matrix: Solid

Date Received: 11/13/25 08:53

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	124280	11/18/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124374	11/20/25 00:47	SA	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 00:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 12:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 12:12	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10			124145	11/17/25 15:36	CS	EET MID

Client Sample ID: BH04A

Lab Sample ID: 890-9068-4

Date Collected: 11/12/25 14:14

Matrix: Solid

Date Received: 11/13/25 08:53

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	124170	11/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124375	11/20/25 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 04:20	SA	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH04A

Lab Sample ID: 890-9068-4

Date Collected: 11/12/25 14:14

Matrix: Solid

Date Received: 11/13/25 08:53

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			124456	11/19/25 12:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 12:27	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5			124145	11/17/25 15:42	CS	EET MID

Client Sample ID: BH05

Lab Sample ID: 890-9068-5

Date Collected: 11/12/25 12:39

Matrix: Solid

Date Received: 11/13/25 08:53

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	124177	11/20/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124479	11/20/25 12:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 12:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/21/25 22:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 22:08	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5			124145	11/17/25 15:59	CS	EET MID

Client Sample ID: BH05A

Lab Sample ID: 890-9068-6

Date Collected: 11/12/25 12:47

Matrix: Solid

Date Received: 11/13/25 08:53

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	124170	11/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124375	11/20/25 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 04:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 12:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 12:42	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1			124145	11/17/25 16:05	CS	EET MID

Client Sample ID: BH05B

Lab Sample ID: 890-9068-7

Date Collected: 11/12/25 12:49

Matrix: Solid

Date Received: 11/13/25 08:53

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	124170	11/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124375	11/20/25 05:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 05:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 12:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 12:57	SA	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH05B

Lab Sample ID: 890-9068-7

Date Collected: 11/12/25 12:49

Matrix: Solid

Date Received: 11/13/25 08:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1			124145	11/17/25 16:23	CS	EET MID

Client Sample ID: BH06

Lab Sample ID: 890-9068-8

Date Collected: 11/12/25 12:27

Matrix: Solid

Date Received: 11/13/25 08:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124177	11/20/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124479	11/20/25 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 12:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/21/25 22:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 22:23	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5			124145	11/17/25 16:29	CS	EET MID

Client Sample ID: BH06A

Lab Sample ID: 890-9068-9

Date Collected: 11/12/25 12:37

Matrix: Solid

Date Received: 11/13/25 08:53

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	124170	11/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124375	11/20/25 05:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 05:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 13:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 13:12	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5			124145	11/17/25 16:35	CS	EET MID

Client Sample ID: BH07

Lab Sample ID: 890-9068-10

Date Collected: 11/12/25 11:42

Matrix: Solid

Date Received: 11/13/25 08:53

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	124170	11/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124375	11/20/25 05:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 05:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 13:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 13:28	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5			124145	11/17/25 16:40	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Client Sample ID: BH07A

Lab Sample ID: 890-9068-11

Date Collected: 11/12/25 11:47

Matrix: Solid

Date Received: 11/13/25 08:53

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	124170	11/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124375	11/20/25 06:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 06:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 13:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 13:58	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5			124145	11/17/25 16:46	CS	EET MID

Client Sample ID: BH08

Lab Sample ID: 890-9068-12

Date Collected: 11/12/25 08:43

Matrix: Solid

Date Received: 11/13/25 08:53

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	124170	11/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124375	11/20/25 06:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 06:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 14:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 14:13	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5			124145	11/17/25 16:52	CS	EET MID

Client Sample ID: BH08A

Lab Sample ID: 890-9068-13

Date Collected: 11/12/25 11:35

Matrix: Solid

Date Received: 11/13/25 08:53

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	124170	11/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124375	11/20/25 06:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124554	11/20/25 06:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			124456	11/19/25 14:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124022	11/14/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124409	11/19/25 14:29	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124015	11/14/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1			124145	11/17/25 16:58	CS	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: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

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

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Method Summary

Client: Ensolum
 Project/Site: Row 1 BW

Job ID: 890-9068-1
 SDG: 03C1558773

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: Row 1 BW

Job ID: 890-9068-1
SDG: 03C1558773

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9068-1	BH03	Solid	11/12/25 14:18	11/13/25 08:53	2
890-9068-2	BH03A	Solid	11/12/25 14:23	11/13/25 08:53	4
890-9068-3	BH04	Solid	11/12/25 14:11	11/13/25 08:53	3
890-9068-4	BH04A	Solid	11/12/25 14:14	11/13/25 08:53	4
890-9068-5	BH05	Solid	11/12/25 12:39	11/13/25 08:53	1
890-9068-6	BH05A	Solid	11/12/25 12:47	11/13/25 08:53	4
890-9068-7	BH05B	Solid	11/12/25 12:49	11/13/25 08:53	5
890-9068-8	BH06	Solid	11/12/25 12:27	11/13/25 08:53	1
890-9068-9	BH06A	Solid	11/12/25 12:37	11/13/25 08:53	4
890-9068-10	BH07	Solid	11/12/25 11:42	11/13/25 08:53	2
890-9068-11	BH07A	Solid	11/12/25 11:47	11/13/25 08:53	4
890-9068-12	BH08	Solid	11/12/25 08:43	11/13/25 08:53	2
890-9068-13	BH08A	Solid	11/12/25 11:35	11/13/25 08:53	4

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Environment Testing
XENCO

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-6440, San Antonio, TX (210) 509-3334
El Paso, TX (945) 686-2443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

800-9068 Chain of Custody

www.xenco.com Page 1 of 2



Project Manager:	Ray Huard	Bill to: (if different)	
Company Name:	Ensolium LLC	Company Name:	DATE McCall
Address:	3122 National Parks Hwy	Address:	XTD Energy Inc
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	5104 E. Greenbriar St.
Phone:	575.937.5906		Carlsbad, NM 88220
Project Name:	RDW 1 Bw		
Project Number:	03C1558775	Turn Around	
Project Location:	52.238673 -103.894280	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	
Sampler's Name:	Maria Melani	Due Date:	
PO #:	64	TAT starts the day received by the lab, if received by 4:30pm	

ANALYSIS REQUEST

Program:	<input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level:	<input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	<input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	RDW 1 Bw	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:	T-02	Correction Factor:	-0.2	Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	6.0																																																																																																													
Project Number:	03C1558775	Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Corrected Temperature:	5.8	Parameters																																																																																																																				
Project Location:	52.238673 -103.894280	Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<table border="1"> <tr> <th>Sample Identification</th> <th>Matrix</th> <th>Date Sampled</th> <th>Time Sampled</th> <th>Depth</th> <th>Grab/Comp</th> <th># of Cont</th> <th>BTX</th> <th>TPH</th> <th>CHLORIDES (EPA 300)</th> </tr> <tr> <td>BHD3</td> <td>S</td> <td>11/12/25</td> <td>14:18</td> <td>2</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD3A</td> <td>S</td> <td>11/12/25</td> <td>14:23</td> <td>4</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD4</td> <td>S</td> <td>11/12/25</td> <td>14:11</td> <td>3</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD4A</td> <td>S</td> <td>11/12/25</td> <td>14:14</td> <td>4</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD5</td> <td>S</td> <td>11/12/25</td> <td>12:59</td> <td>1</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD5A</td> <td>S</td> <td>11/12/25</td> <td>12:49</td> <td>4</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD5B</td> <td>S</td> <td>11/12/25</td> <td>12:49</td> <td>5</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD6</td> <td>S</td> <td>11/12/25</td> <td>12:27</td> <td>1</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD6A</td> <td>S</td> <td>11/12/25</td> <td>12:57</td> <td>4</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>BHD7</td> <td>S</td> <td>11/12/25</td> <td>11:42</td> <td>2</td> <td>G</td> <td>1</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> </table>									Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	BTX	TPH	CHLORIDES (EPA 300)	BHD3	S	11/12/25	14:18	2	G	1	✓	✓	✓	BHD3A	S	11/12/25	14:23	4	G	1	✓	✓	✓	BHD4	S	11/12/25	14:11	3	G	1	✓	✓	✓	BHD4A	S	11/12/25	14:14	4	G	1	✓	✓	✓	BHD5	S	11/12/25	12:59	1	G	1	✓	✓	✓	BHD5A	S	11/12/25	12:49	4	G	1	✓	✓	✓	BHD5B	S	11/12/25	12:49	5	G	1	✓	✓	✓	BHD6	S	11/12/25	12:27	1	G	1	✓	✓	✓	BHD6A	S	11/12/25	12:57	4	G	1	✓	✓	✓	BHD7	S	11/12/25	11:42	2	G	1	✓	✓	✓
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	BTX	TPH	CHLORIDES (EPA 300)																																																																																																																	
BHD3	S	11/12/25	14:18	2	G	1	✓	✓	✓																																																																																																																	
BHD3A	S	11/12/25	14:23	4	G	1	✓	✓	✓																																																																																																																	
BHD4	S	11/12/25	14:11	3	G	1	✓	✓	✓																																																																																																																	
BHD4A	S	11/12/25	14:14	4	G	1	✓	✓	✓																																																																																																																	
BHD5	S	11/12/25	12:59	1	G	1	✓	✓	✓																																																																																																																	
BHD5A	S	11/12/25	12:49	4	G	1	✓	✓	✓																																																																																																																	
BHD5B	S	11/12/25	12:49	5	G	1	✓	✓	✓																																																																																																																	
BHD6	S	11/12/25	12:27	1	G	1	✓	✓	✓																																																																																																																	
BHD6A	S	11/12/25	12:57	4	G	1	✓	✓	✓																																																																																																																	
BHD7	S	11/12/25	11:42	2	G	1	✓	✓	✓																																																																																																																	

Preservative Codes

- None: NO
- DI Water: H₂O
- Cool: Cool
- MeOH: Me
- HCL: HC
- HNO₃: HN
- H₂SO₄: H₂
- NaOH: Na
- H₃PO₄: HP
- NaHSO₄: NABIS
- Na₂S₂O₃: NASO₃
- Zn Acetate+NaOH: Zn
- NaOH+Ascorbic Acid: SAPC

Sample Comments

Incident Number: **NAPP253044782**
 Lab Name: **105617001**
 GFCM1
 4805000 - Spus

Total 200.7 / 6010	200.8 / 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	SiO ₂	Na	Sr	Ti	Sn	U	Vn	Zn
Create 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
<i>[Signature]</i>	<i>[Signature]</i>	11/13 8:53	<i>[Signature]</i>	<i>[Signature]</i>	

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Eurofins Carlsbad

Chain of Custody Record

1089 N Canal St.
 Carlsbad, NM 88220
 Phone: 575-988-3199 Fax: 575-988-3199



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	N/A	Lab PM:	Kramer, Jessica	Carrier Tracking No(s):	N/A	COC No.:	890-6110.1
Client Contact:		Phone:	N/A	E-Mail:	Jessica.Kramer@el.eurofins.com	State of Origin:	New Mexico	Page:	Page 1 of 2
Shipping/Receiving		N/A		Accreditations Required (See note):		NELAP - Texas		Job #:	890-9068-1
Company:		Eurofins Environment Testing South Cent		Analysis Requested		Preservation Codes:			
Address:		1211 W. Florida Ave.		Due Date Requested:		11/19/2025			
City:		Midland		TAT Requested (days):		N/A			
State, Zip:		TX, 79701		PO #:		N/A			
Phone:		432-704-5440(Tel)		WC #:		N/A			
Email:		N/A		Project #:		89000110			
Project Name:		Row 1 BW		SSON#:		N/A		Other:	
Site:		N/A		Matrix		(Water, Solid, Overstabil, BT=Trace, A=Ad)		N/A	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grat)		Matrix Preservation Code:	
BH03 (890-9068-1)		11/12/25		14:18		G		Solid	
BH03A (890-9068-2)		11/12/25		14:23		G		Solid	
BH04 (890-9068-3)		11/12/25		14:11		G		Solid	
BH04A (890-9068-4)		11/12/25		14:14		G		Solid	
BH05 (890-9068-5)		11/12/25		12:39		G		Solid	
BH05A (890-9068-6)		11/12/25		12:47		G		Solid	
BH05B (890-9068-7)		11/12/25		12:49		G		Solid	
BH06 (890-9068-8)		11/12/25		12:27		G		Solid	
BH06A (890-9068-9)		11/12/25		12:37		G		Solid	
Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8015MOD_NM/8015NM_S_Prep(MOD) Full TPH		8015MOD_Calc		300_ORGFM_28D/DI_LEACHChloride	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		8021B/5035FP_Calc(MOD) BTEX		Total_BTEX_GCV			
Total Number of containers		1		1		1		1	
Special Instructions/Note:									

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/split/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
 Empty Kit Reinquished by: _____ Date: _____
 Reinquished by: *Swan S* Date/Time: 11/13 16:50 Company: _____
 Reinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: Yes No Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: _____

Special Instructions/QC Requirements:
 Return To Client Disposal By Lab Archive For _____ Months
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Method of Shipment: _____
 Date/Time: _____ Company: _____
 Date/Time: _____ Company: _____
 Date/Time: _____ Company: _____

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9068-1

SDG Number: 03C1558773

Login Number: 9068

List Number: 1

Creator: Lopez, Abraham

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9068-1

SDG Number: 03C1558773

Login Number: 9068

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 11/14/25 08:38 AM

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Carlsbad





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tracy Hillard
Ensolum

601 N. Marienfeld St.
Suite 400

Midland, Texas 79701

Generated 11/14/2025 9:58:28 AM

JOB DESCRIPTION

ROW 1 BW
03C1558773

JOB NUMBER

890-9069-1

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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11/14/2025 9:58:28 AM

Authorized for release by
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Client: Ensolum
Project/Site: ROW 1 BW

Laboratory Job ID: 890-9069-1
SDG: 03C1558773

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Definitions/Glossary

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
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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

Case Narrative

Client: Ensolum
Project: ROW 1 BW

Job ID: 890-9069-1

Job ID: 890-9069-1

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Job Narrative 890-9069-1

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 11/13/2025 8:53 AM. 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 5.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH 13 (890-9069-1) and BH 13 A (890-9069-2).

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: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

Client Sample ID: BH 13

Lab Sample ID: 890-9069-1

Date Collected: 11/12/25 10:27

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 16

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		11/13/25 20:00	11/14/25 04:27	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/13/25 20:00	11/14/25 04:27	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/13/25 20:00	11/14/25 04:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/13/25 20:00	11/14/25 04:27	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/13/25 20:00	11/14/25 04:27	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/13/25 20:00	11/14/25 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/13/25 20:00	11/14/25 04:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/13/25 20:00	11/14/25 04:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/14/25 04:27	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			11/13/25 22:59	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		11/12/25 16:21	11/13/25 22:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/12/25 16:21	11/13/25 22:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/12/25 16:21	11/13/25 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	11/12/25 16:21	11/13/25 22:59	1
o-Terphenyl	95		70 - 130	11/12/25 16:21	11/13/25 22:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4400		99.2	mg/Kg			11/14/25 07:54	10

Client Sample ID: BH 13 A

Lab Sample ID: 890-9069-2

Date Collected: 11/12/25 10:44

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 22

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		11/13/25 20:00	11/14/25 04:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/13/25 20:00	11/14/25 04:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/13/25 20:00	11/14/25 04:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/13/25 20:00	11/14/25 04:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/13/25 20:00	11/14/25 04:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/13/25 20:00	11/14/25 04:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	11/13/25 20:00	11/14/25 04:47	1

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Client Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

Client Sample ID: BH 13 A

Lab Sample ID: 890-9069-2

Date Collected: 11/12/25 10:44

Matrix: Solid

Date Received: 11/13/25 08:53

Sample Depth: 22

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	11/13/25 20:00	11/14/25 04:47	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			11/14/25 04:47	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			11/13/25 23:13	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		11/12/25 16:21	11/13/25 23:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/12/25 16:21	11/13/25 23:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/12/25 16:21	11/13/25 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	11/12/25 16:21	11/13/25 23:13	1
o-Terphenyl	95		70 - 130	11/12/25 16:21	11/13/25 23:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2110		49.9	mg/Kg			11/14/25 08:08	5

Surrogate Summary

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

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)
880-64704-A-81-B MS	Matrix Spike	102	98
880-64704-A-81-C MSD	Matrix Spike Duplicate	101	97
890-9069-1	BH 13	103	97
890-9069-2	BH 13 A	105	99
LCS 880-123593/1-A	Lab Control Sample	101	103
LCSD 880-123593/2-A	Lab Control Sample Dup	102	104
MB 880-123593/5-A	Method Blank	105	92
MB 880-123832/5-A	Method Blank	104	93

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)
880-64886-A-141-E MS	Matrix Spike	95	93
880-64886-A-141-F MSD	Matrix Spike Duplicate	95	93
890-9069-1	BH 13	88	95
890-9069-2	BH 13 A	89	95
LCS 880-123886/2-A	Lab Control Sample	97	97
LCSD 880-123886/3-A	Lab Control Sample Dup	92	93
MB 880-123886/1-A	Method Blank	85	91

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-123593/5-A
Matrix: Solid
Analysis Batch: 123866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123593

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/10/25 16:04	11/13/25 20:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/10/25 16:04	11/13/25 20:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/10/25 16:04	11/13/25 20:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/10/25 16:04	11/13/25 20:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/10/25 16:04	11/13/25 20:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/10/25 16:04	11/13/25 20:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	11/10/25 16:04	11/13/25 20:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130	11/10/25 16:04	11/13/25 20:44	1

Lab Sample ID: LCS 880-123593/1-A
Matrix: Solid
Analysis Batch: 123866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1086		mg/Kg		109	70 - 130
Toluene	0.100	0.1030		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1065		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2153		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1053		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-123593/2-A
Matrix: Solid
Analysis Batch: 123866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123593

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1135		mg/Kg		114	70 - 130	4	35
Toluene	0.100	0.1051		mg/Kg		105	70 - 130	2	35
Ethylbenzene	0.100	0.1083		mg/Kg		108	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2178		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.1067		mg/Kg		107	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-64704-A-81-B MS
Matrix: Solid
Analysis Batch: 123866

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 123593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1024		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09862		mg/Kg		99	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

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

Lab Sample ID: 880-64704-A-81-B MS
Matrix: Solid
Analysis Batch: 123866

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 123593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2040		mg/Kg		102	70 - 130
o-Xylene	<0.00200	U	0.100	0.09890		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-64704-A-81-C MSD
Matrix: Solid
Analysis Batch: 123866

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 123593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09930		mg/Kg		99	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09475		mg/Kg		95	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09540		mg/Kg		95	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1925		mg/Kg		96	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.09324		mg/Kg		93	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-123832/5-A
Matrix: Solid
Analysis Batch: 123866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123832

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/12/25 13:15	11/13/25 09:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/12/25 13:15	11/13/25 09:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/12/25 13:15	11/13/25 09:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/12/25 13:15	11/13/25 09:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/12/25 13:15	11/13/25 09:47	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/12/25 13:15	11/13/25 09:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/12/25 13:15	11/13/25 09:47	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/12/25 13:15	11/13/25 09:47	1

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

Lab Sample ID: MB 880-123886/1-A
Matrix: Solid
Analysis Batch: 123904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123886

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		11/12/25 16:21	11/13/25 19:31	1

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

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

Lab Sample ID: MB 880-123886/1-A
Matrix: Solid
Analysis Batch: 123904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123886

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/12/25 16:21	11/13/25 19:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/12/25 16:21	11/13/25 19:31	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	85		70 - 130	11/12/25 16:21	11/13/25 19:31	1
o-Terphenyl	91		70 - 130	11/12/25 16:21	11/13/25 19:31	1

Lab Sample ID: LCS 880-123886/2-A
Matrix: Solid
Analysis Batch: 123904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	944.8		mg/Kg		94	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	97		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-123886/3-A
Matrix: Solid
Analysis Batch: 123904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123886

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	911.0		mg/Kg		91	70 - 130	4	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	92		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-64886-A-141-E MS
Matrix: Solid
Analysis Batch: 123904

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 123886

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1000	750.5		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	1000	828.5		mg/Kg		83	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	95		70 - 130
o-Terphenyl	93		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

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

Lab Sample ID: 880-64886-A-141-F MSD
Matrix: Solid
Analysis Batch: 123904

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 123886

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	<50.2	U	1000	752.4		mg/Kg		75	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.2	U	1000	840.4		mg/Kg		84	70 - 130	1	20
Surrogate	%Recovery	MSD Qualifier		MSD						Limits	
1-Chlorooctane	95									70 - 130	
o-Terphenyl	93									70 - 130	

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-123880/1-A
Matrix: Solid
Analysis Batch: 123926

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			11/14/25 03:06	1

Lab Sample ID: LCS 880-123880/2-A
Matrix: Solid
Analysis Batch: 123926

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	232.1		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-123880/3-A
Matrix: Solid
Analysis Batch: 123926

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	232.5		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-64886-A-141-B MS
Matrix: Solid
Analysis Batch: 123926

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	380		248	606.4		mg/Kg		91	90 - 110

Lab Sample ID: 880-64886-A-141-C MSD
Matrix: Solid
Analysis Batch: 123926

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	380		248	607.8		mg/Kg		92	90 - 110	0	20

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: ROW 1 BWJob ID: 890-9069-1
SDG: 03C1558773

GC VOA

Prep Batch: 123593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9069-1	BH 13	Total/NA	Solid	5035	
890-9069-2	BH 13 A	Total/NA	Solid	5035	
MB 880-123593/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-123593/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-123593/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-64704-A-81-B MS	Matrix Spike	Total/NA	Solid	5035	
880-64704-A-81-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 123832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-123832/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 123866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9069-1	BH 13	Total/NA	Solid	8021B	123593
890-9069-2	BH 13 A	Total/NA	Solid	8021B	123593
MB 880-123593/5-A	Method Blank	Total/NA	Solid	8021B	123593
MB 880-123832/5-A	Method Blank	Total/NA	Solid	8021B	123832
LCS 880-123593/1-A	Lab Control Sample	Total/NA	Solid	8021B	123593
LCSD 880-123593/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	123593
880-64704-A-81-B MS	Matrix Spike	Total/NA	Solid	8021B	123593
880-64704-A-81-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	123593

Analysis Batch: 124055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9069-1	BH 13	Total/NA	Solid	Total BTEX	
890-9069-2	BH 13 A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 123886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9069-1	BH 13	Total/NA	Solid	8015NM Prep	
890-9069-2	BH 13 A	Total/NA	Solid	8015NM Prep	
MB 880-123886/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-123886/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-123886/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-64886-A-141-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-64886-A-141-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 123904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9069-1	BH 13	Total/NA	Solid	8015B NM	123886
890-9069-2	BH 13 A	Total/NA	Solid	8015B NM	123886
MB 880-123886/1-A	Method Blank	Total/NA	Solid	8015B NM	123886
LCS 880-123886/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	123886
LCSD 880-123886/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	123886
880-64886-A-141-E MS	Matrix Spike	Total/NA	Solid	8015B NM	123886
880-64886-A-141-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	123886

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QC Association Summary

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

GC Semi VOA

Analysis Batch: 124054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9069-1	BH 13	Total/NA	Solid	8015 NM	
890-9069-2	BH 13 A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 123880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9069-1	BH 13	Soluble	Solid	DI Leach	
890-9069-2	BH 13 A	Soluble	Solid	DI Leach	
MB 880-123880/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-123880/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123880/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-64886-A-141-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-64886-A-141-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 123926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9069-1	BH 13	Soluble	Solid	300.0	123880
890-9069-2	BH 13 A	Soluble	Solid	300.0	123880
MB 880-123880/1-A	Method Blank	Soluble	Solid	300.0	123880
LCS 880-123880/2-A	Lab Control Sample	Soluble	Solid	300.0	123880
LCSD 880-123880/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123880
880-64886-A-141-B MS	Matrix Spike	Soluble	Solid	300.0	123880
880-64886-A-141-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	123880

Lab Chronicle

Client: Ensolum
 Project/Site: ROW 1 BW

Job ID: 890-9069-1
 SDG: 03C1558773

Client Sample ID: BH 13

Lab Sample ID: 890-9069-1

Date Collected: 11/12/25 10:27

Matrix: Solid

Date Received: 11/13/25 08:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	123593	11/13/25 20:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123866	11/14/25 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124055	11/14/25 04:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			124054	11/13/25 22:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	123886	11/12/25 16:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123904	11/13/25 22:59	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	123880	11/14/25 07:40	SA	EET MID
Soluble	Analysis	300.0		10			123926	11/14/25 07:54	CS	EET MID

Client Sample ID: BH 13 A

Lab Sample ID: 890-9069-2

Date Collected: 11/12/25 10:44

Matrix: Solid

Date Received: 11/13/25 08:53

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	123593	11/13/25 20:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123866	11/14/25 04:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124055	11/14/25 04:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			124054	11/13/25 23:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	123886	11/12/25 16:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123904	11/13/25 23:13	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	123880	11/14/25 07:40	SA	EET MID
Soluble	Analysis	300.0		5			123926	11/14/25 08:08	CS	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: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

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

- 1
- 2
- 3
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Method Summary

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

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: ROW 1 BW

Job ID: 890-9069-1
SDG: 03C1558773

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9069-1	BH 13	Solid	11/12/25 10:27	11/13/25 08:53	16
890-9069-2	BH 13 A	Solid	11/12/25 10:44	11/13/25 08:53	22

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9069-1

SDG Number: 03C1558773

Login Number: 9069

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	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9069-1

SDG Number: 03C1558773

Login Number: 9069

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 11/13/25 08:29 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	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tracy Hillard
Ensolum

601 N. Marienfeld St.
Suite 400

Midland, Texas 79701

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JOB DESCRIPTION

ROW 1 BW
03C1558773

JOB NUMBER

890-9079-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



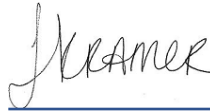
Eurofins Carlsbad

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

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Client: Ensolum
Project/Site: ROW 1 BW

Laboratory Job ID: 890-9079-1
SDG: 03C1558773

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Definitions/Glossary

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
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

Case Narrative

Client: Ensolum
Project: ROW 1 BW

Job ID: 890-9079-1

Job ID: 890-9079-1

Eurofins Carlsbad

Job Narrative 890-9079-1

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 11/14/2025 8:45 AM. 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 2.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH01 (890-9079-1), BH01A (890-9079-2), BH02 (890-9079-3), BH02A (890-9079-4), BH09 (890-9079-5), BH09A (890-9079-6), BH11 (890-9079-7) and BH12 (890-9079-8).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH12 (890-9079-8), (LCS 880-124115/2-A), (LCSD 880-124115/3-A), (890-9079-A-8-B MS) and (890-9079-A-8-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-124115 and analytical batch 880-124571 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124085/2-A), (LCSD 880-124085/3-A), (MB 880-124085/1-A), (880-64992-A-16-B MS) and (880-64992-A-16-C MSD). Evidence of matrix interferences is not obvious.

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: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH01

Lab Sample ID: 890-9079-1

Date Collected: 11/13/25 10:21

Matrix: Solid

Date Received: 11/14/25 08:45

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		11/19/25 10:26	11/21/25 23:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/21/25 23:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/21/25 23:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/19/25 10:26	11/21/25 23:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/21/25 23:18	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 10:26	11/21/25 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/19/25 10:26	11/21/25 23:18	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/19/25 10:26	11/21/25 23:18	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			11/21/25 23:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			11/21/25 22:36	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	<49.6	U	49.6	mg/Kg		11/14/25 14:46	11/21/25 22:36	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		11/14/25 14:46	11/21/25 22:36	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		11/14/25 14:46	11/21/25 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	11/14/25 14:46	11/21/25 22:36	1
o-Terphenyl	116		70 - 130	11/14/25 14:46	11/21/25 22:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3430		49.9	mg/Kg			11/18/25 22:28	5

Client Sample ID: BH01A

Lab Sample ID: 890-9079-2

Date Collected: 11/13/25 10:26

Matrix: Solid

Date Received: 11/14/25 08:45

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		11/19/25 10:26	11/21/25 23:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:26	11/21/25 23:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:26	11/21/25 23:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/19/25 10:26	11/21/25 23:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:26	11/21/25 23:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 10:26	11/21/25 23:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/19/25 10:26	11/21/25 23:38	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/19/25 10:26	11/21/25 23:38	1

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Client Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH01A

Lab Sample ID: 890-9079-2

Date Collected: 11/13/25 10:26

Matrix: Solid

Date Received: 11/14/25 08:45

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			11/21/25 23:38	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			11/21/25 22:52	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		11/14/25 14:46	11/21/25 22:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 14:46	11/21/25 22:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 14:46	11/21/25 22:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130			11/14/25 14:46	11/21/25 22:52	1
o-Terphenyl	118		70 - 130			11/14/25 14:46	11/21/25 22:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5240		99.4	mg/Kg			11/18/25 22:44	10

Client Sample ID: BH02

Lab Sample ID: 890-9079-3

Date Collected: 11/13/25 11:06

Matrix: Solid

Date Received: 11/14/25 08:45

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		11/19/25 10:26	11/21/25 23:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:26	11/21/25 23:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:26	11/21/25 23:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/19/25 10:26	11/21/25 23:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:26	11/21/25 23:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 10:26	11/21/25 23:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/19/25 10:26	11/21/25 23:59	1
1,4-Difluorobenzene (Surr)	92		70 - 130			11/19/25 10:26	11/21/25 23:59	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			11/21/25 23:59	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			11/21/25 23:06	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		11/14/25 14:46	11/21/25 23:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/14/25 14:46	11/21/25 23:06	1

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Client Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH02

Lab Sample ID: 890-9079-3

Date Collected: 11/13/25 11:06

Matrix: Solid

Date Received: 11/14/25 08:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/14/25 14:46	11/21/25 23:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130			11/14/25 14:46	11/21/25 23:06	1
o-Terphenyl	118		70 - 130			11/14/25 14:46	11/21/25 23:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4890		49.6	mg/Kg			11/18/25 22:49	5

Client Sample ID: BH02A

Lab Sample ID: 890-9079-4

Date Collected: 11/13/25 11:08

Matrix: Solid

Date Received: 11/14/25 08:45

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		11/19/25 10:26	11/22/25 00:19	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:26	11/22/25 00:19	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:26	11/22/25 00:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/19/25 10:26	11/22/25 00:19	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:26	11/22/25 00:19	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/19/25 10:26	11/22/25 00:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			11/19/25 10:26	11/22/25 00:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130			11/19/25 10:26	11/22/25 00:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/22/25 00:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/21/25 23:20	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	<49.9	U	49.9	mg/Kg		11/14/25 14:46	11/21/25 23:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/14/25 14:46	11/21/25 23:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/25 14:46	11/21/25 23:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130			11/14/25 14:46	11/21/25 23:20	1
o-Terphenyl	113		70 - 130			11/14/25 14:46	11/21/25 23:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380		50.2	mg/Kg			11/18/25 22:54	5

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Client Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH09

Lab Sample ID: 890-9079-5

Date Collected: 11/13/25 12:27

Matrix: Solid

Date Received: 11/14/25 08:45

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		11/19/25 10:26	11/22/25 00:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/22/25 00:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/22/25 00:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/19/25 10:26	11/22/25 00:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/22/25 00:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 10:26	11/22/25 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/19/25 10:26	11/22/25 00:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/19/25 10:26	11/22/25 00:40	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			11/22/25 00:40	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			11/21/25 23:35	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		11/14/25 14:46	11/21/25 23:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 14:46	11/21/25 23:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 14:46	11/21/25 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	11/14/25 14:46	11/21/25 23:35	1
o-Terphenyl	110		70 - 130	11/14/25 14:46	11/21/25 23:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2240		50.5	mg/Kg			11/18/25 23:00	5

Client Sample ID: BH09A

Lab Sample ID: 890-9079-6

Date Collected: 11/13/25 12:31

Matrix: Solid

Date Received: 11/14/25 08:45

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		11/19/25 10:26	11/22/25 01:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:26	11/22/25 01:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:26	11/22/25 01:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/19/25 10:26	11/22/25 01:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:26	11/22/25 01:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 10:26	11/22/25 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/19/25 10:26	11/22/25 01:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/19/25 10:26	11/22/25 01:00	1

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Client Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH09A

Lab Sample ID: 890-9079-6

Date Collected: 11/13/25 12:31

Matrix: Solid

Date Received: 11/14/25 08:45

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			11/22/25 01:00	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			11/21/25 23:49	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		11/14/25 14:46	11/21/25 23:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/14/25 14:46	11/21/25 23:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/14/25 14:46	11/21/25 23:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			11/14/25 14:46	11/21/25 23:49	1
o-Terphenyl	112		70 - 130			11/14/25 14:46	11/21/25 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		49.7	mg/Kg			11/18/25 23:05	5

Client Sample ID: BH11

Lab Sample ID: 890-9079-7

Date Collected: 11/13/25 13:43

Matrix: Solid

Date Received: 11/14/25 08:45

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		11/19/25 10:26	11/22/25 01:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:26	11/22/25 01:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:26	11/22/25 01:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		11/19/25 10:26	11/22/25 01:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:26	11/22/25 01:21	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/19/25 10:26	11/22/25 01:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			11/19/25 10:26	11/22/25 01:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130			11/19/25 10:26	11/22/25 01:21	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			11/22/25 01:21	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			11/22/25 00:03	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		11/14/25 14:46	11/22/25 00:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 14:46	11/22/25 00:03	1

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Client Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH11

Lab Sample ID: 890-9079-7

Date Collected: 11/13/25 13:43

Matrix: Solid

Date Received: 11/14/25 08:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 14:46	11/22/25 00:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130			11/14/25 14:46	11/22/25 00:03	1
o-Terphenyl	118		70 - 130			11/14/25 14:46	11/22/25 00:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.9		9.92	mg/Kg			11/18/25 23:10	1

Client Sample ID: BH12

Lab Sample ID: 890-9079-8

Date Collected: 11/13/25 14:26

Matrix: Solid

Date Received: 11/14/25 08:45

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		11/19/25 10:26	11/22/25 01:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:26	11/22/25 01:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:26	11/22/25 01:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/19/25 10:26	11/22/25 01:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:26	11/22/25 01:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 10:26	11/22/25 01:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			11/19/25 10:26	11/22/25 01:42	1
1,4-Difluorobenzene (Surr)	91		70 - 130			11/19/25 10:26	11/22/25 01:42	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			11/22/25 01:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/20/25 22:33	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	<49.9	U	49.9	mg/Kg		11/15/25 11:07	11/20/25 22:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/15/25 11:07	11/20/25 22:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/15/25 11:07	11/20/25 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			11/15/25 11:07	11/20/25 22:33	1
o-Terphenyl	155	S1+	70 - 130			11/15/25 11:07	11/20/25 22:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.5		9.96	mg/Kg			11/18/25 23:16	1

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Surrogate Summary

Client: Ensolum
Project/Site: ROW 1 BWJob ID: 890-9079-1
SDG: 03C1558773

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)
890-9079-1	BH01	108	93
890-9079-1 MS	BH01	113	100
890-9079-1 MSD	BH01	111	110
890-9079-2	BH01A	104	96
890-9079-3	BH02	109	92
890-9079-4	BH02A	106	99
890-9079-5	BH09	115	102
890-9079-6	BH09A	103	94
890-9079-7	BH11	95	91
890-9079-8	BH12	104	91
LCS 880-124402/1-A	Lab Control Sample	109	97
LCSD 880-124402/2-A	Lab Control Sample Dup	94	97
MB 880-124227/5-A	Method Blank	107	90
MB 880-124402/5-A	Method Blank	111	94

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)
880-64992-A-16-B MS	Matrix Spike	139 S1+	108
880-64992-A-16-C MSD	Matrix Spike Duplicate	140 S1+	109
890-9079-1	BH01	127	116
890-9079-2	BH01A	126	118
890-9079-3	BH02	129	118
890-9079-4	BH02A	121	113
890-9079-5	BH09	120	110
890-9079-6	BH09A	122	112
890-9079-7	BH11	130	118
890-9079-8	BH12	107	155 S1+
890-9079-8 MS	BH12	107	155 S1+
890-9079-8 MSD	BH12	109	158 S1+
LCS 880-124085/2-A	Lab Control Sample	175 S1+	129
LCS 880-124115/2-A	Lab Control Sample	110	157 S1+
LCSD 880-124085/3-A	Lab Control Sample Dup	179 S1+	135 S1+
LCSD 880-124115/3-A	Lab Control Sample Dup	108	149 S1+
MB 880-124085/1-A	Method Blank	145 S1+	127
MB 880-124115/1-A	Method Blank	115	147 S1+

Surrogate Legend
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-124227/5-A
Matrix: Solid
Analysis Batch: 124627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124227

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/25 13:40	11/21/25 11:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/25 13:40	11/21/25 11:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/25 13:40	11/21/25 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/17/25 13:40	11/21/25 11:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/25 13:40	11/21/25 11:56	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/25 13:40	11/21/25 11:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	107		70 - 130	11/17/25 13:40	11/21/25 11:56	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/17/25 13:40	11/21/25 11:56	1

Lab Sample ID: MB 880-124402/5-A
Matrix: Solid
Analysis Batch: 124627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124402

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/21/25 22:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/21/25 22:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/21/25 22:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/19/25 10:26	11/21/25 22:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:26	11/21/25 22:56	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/19/25 10:26	11/21/25 22:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	111		70 - 130	11/19/25 10:26	11/21/25 22:56	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/19/25 10:26	11/21/25 22:56	1

Lab Sample ID: LCS 880-124402/1-A
Matrix: Solid
Analysis Batch: 124627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.09215		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09649		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1906		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09813		mg/Kg		98	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-124402/2-A
Matrix: Solid
Analysis Batch: 124627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124402

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.09189		mg/Kg		92	70 - 130	16	35

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

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

Lab Sample ID: LCSD 880-124402/2-A
Matrix: Solid
Analysis Batch: 124627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124402

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08973		mg/Kg		90	70 - 130	3	35
Ethylbenzene	0.100	0.09129		mg/Kg		91	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1912		mg/Kg		96	70 - 130	0	35
o-Xylene	0.100	0.09769		mg/Kg		98	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-9079-1 MS
Matrix: Solid
Analysis Batch: 124627

Client Sample ID: BH01
Prep Type: Total/NA
Prep Batch: 124402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1028		mg/Kg		103	70 - 130
Toluene	<0.00200	U	0.100	0.08702		mg/Kg		87	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09281		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2068		mg/Kg		103	70 - 130
o-Xylene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-9079-1 MSD
Matrix: Solid
Analysis Batch: 124627

Client Sample ID: BH01
Prep Type: Total/NA
Prep Batch: 124402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.09103		mg/Kg		91	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.1005		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2140		mg/Kg		107	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1083		mg/Kg		108	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

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

Lab Sample ID: MB 880-124085/1-A
Matrix: Solid
Analysis Batch: 124637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124085

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		11/14/25 14:46	11/21/25 18:01		1

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

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

Lab Sample ID: MB 880-124085/1-A
Matrix: Solid
Analysis Batch: 124637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124085

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/25 14:46	11/21/25 18:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/25 14:46	11/21/25 18:01	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	145	S1+	70 - 130	11/14/25 14:46	11/21/25 18:01	1
o-Terphenyl	127		70 - 130	11/14/25 14:46	11/21/25 18:01	1

Lab Sample ID: LCS 880-124085/2-A
Matrix: Solid
Analysis Batch: 124637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1229		mg/Kg		123	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	175	S1+	70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: LCSD 880-124085/3-A
Matrix: Solid
Analysis Batch: 124637

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124085

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1104		mg/Kg		110	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1302		mg/Kg		130	70 - 130	6	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	179	S1+	70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: 880-64992-A-16-B MS
Matrix: Solid
Analysis Batch: 124637

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 124085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	919.2		mg/Kg		92	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	139	S1+	70 - 130
o-Terphenyl	108		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

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

Lab Sample ID: 880-64992-A-16-C MSD
Matrix: Solid
Analysis Batch: 124637

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 124085

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	831.9		mg/Kg		81	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	939.9		mg/Kg		94	70 - 130	2	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	140	S1+	70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: MB 880-124115/1-A
Matrix: Solid
Analysis Batch: 124571

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124115

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		11/15/25 11:07	11/20/25 21:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/15/25 11:07	11/20/25 21:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/15/25 11:07	11/20/25 21:31	1
Surrogate	MB	MB				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits					
1-Chlorooctane	115		70 - 130			11/15/25 11:07	11/20/25 21:31	1
o-Terphenyl	147	S1+	70 - 130			11/15/25 11:07	11/20/25 21:31	1

Lab Sample ID: LCS 880-124115/2-A
Matrix: Solid
Analysis Batch: 124571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124115

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
							Result
Gasoline Range Organics (GRO)-C6-C10	1000	1179		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1276		mg/Kg		128	70 - 130
Surrogate	LCS	LCS					
	%Recovery	Qualifier	Limits				
1-Chlorooctane	110		70 - 130				
o-Terphenyl	157	S1+	70 - 130				

Lab Sample ID: LCSD 880-124115/3-A
Matrix: Solid
Analysis Batch: 124571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124115

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	1178		mg/Kg		118	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1253		mg/Kg		125	70 - 130	2	20

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

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

Lab Sample ID: LCSD 880-124115/3-A
Matrix: Solid
Analysis Batch: 124571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124115

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	108		70 - 130
o-Terphenyl	149	S1+	70 - 130

Lab Sample ID: 890-9079-8 MS
Matrix: Solid
Analysis Batch: 124571

Client Sample ID: BH12
Prep Type: Total/NA
Prep Batch: 124115

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1010		mg/Kg		101		70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1103		mg/Kg		111		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	107		70 - 130
o-Terphenyl	155	S1+	70 - 130

Lab Sample ID: 890-9079-8 MSD
Matrix: Solid
Analysis Batch: 124571

Client Sample ID: BH12
Prep Type: Total/NA
Prep Batch: 124115

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1070		mg/Kg		107		70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1126		mg/Kg		113		70 - 130	2	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	109		70 - 130
o-Terphenyl	158	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124222/1-A
Matrix: Solid
Analysis Batch: 124236

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0	mg/Kg			11/18/25 20:36		1

Lab Sample ID: LCS 880-124222/2-A
Matrix: Solid
Analysis Batch: 124236

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Chloride	250	225.7		mg/Kg		90		90 - 110

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QC Sample Results

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-124222/3-A
Matrix: Solid
Analysis Batch: 124236

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	226.7		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-65030-A-60-C MS
Matrix: Solid
Analysis Batch: 124236

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	34.9		249	280.4		mg/Kg		99	90 - 110

Lab Sample ID: 880-65030-A-60-D MSD
Matrix: Solid
Analysis Batch: 124236

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	34.9		249	279.8		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: ROW 1 BWJob ID: 890-9079-1
SDG: 03C1558773

GC VOA

Prep Batch: 124227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124227/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 124402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-1	BH01	Total/NA	Solid	5035	
890-9079-2	BH01A	Total/NA	Solid	5035	
890-9079-3	BH02	Total/NA	Solid	5035	
890-9079-4	BH02A	Total/NA	Solid	5035	
890-9079-5	BH09	Total/NA	Solid	5035	
890-9079-6	BH09A	Total/NA	Solid	5035	
890-9079-7	BH11	Total/NA	Solid	5035	
890-9079-8	BH12	Total/NA	Solid	5035	
MB 880-124402/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124402/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124402/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9079-1 MS	BH01	Total/NA	Solid	5035	
890-9079-1 MSD	BH01	Total/NA	Solid	5035	

Analysis Batch: 124627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-1	BH01	Total/NA	Solid	8021B	124402
890-9079-2	BH01A	Total/NA	Solid	8021B	124402
890-9079-3	BH02	Total/NA	Solid	8021B	124402
890-9079-4	BH02A	Total/NA	Solid	8021B	124402
890-9079-5	BH09	Total/NA	Solid	8021B	124402
890-9079-6	BH09A	Total/NA	Solid	8021B	124402
890-9079-7	BH11	Total/NA	Solid	8021B	124402
890-9079-8	BH12	Total/NA	Solid	8021B	124402
MB 880-124227/5-A	Method Blank	Total/NA	Solid	8021B	124227
MB 880-124402/5-A	Method Blank	Total/NA	Solid	8021B	124402
LCS 880-124402/1-A	Lab Control Sample	Total/NA	Solid	8021B	124402
LCSD 880-124402/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124402
890-9079-1 MS	BH01	Total/NA	Solid	8021B	124402
890-9079-1 MSD	BH01	Total/NA	Solid	8021B	124402

Analysis Batch: 124936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-1	BH01	Total/NA	Solid	Total BTEX	
890-9079-2	BH01A	Total/NA	Solid	Total BTEX	
890-9079-3	BH02	Total/NA	Solid	Total BTEX	
890-9079-4	BH02A	Total/NA	Solid	Total BTEX	
890-9079-5	BH09	Total/NA	Solid	Total BTEX	
890-9079-6	BH09A	Total/NA	Solid	Total BTEX	
890-9079-7	BH11	Total/NA	Solid	Total BTEX	
890-9079-8	BH12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 124085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-1	BH01	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: ROW 1 BWJob ID: 890-9079-1
SDG: 03C1558773

GC Semi VOA (Continued)

Prep Batch: 124085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-2	BH01A	Total/NA	Solid	8015NM Prep	
890-9079-3	BH02	Total/NA	Solid	8015NM Prep	
890-9079-4	BH02A	Total/NA	Solid	8015NM Prep	
890-9079-5	BH09	Total/NA	Solid	8015NM Prep	
890-9079-6	BH09A	Total/NA	Solid	8015NM Prep	
890-9079-7	BH11	Total/NA	Solid	8015NM Prep	
MB 880-124085/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124085/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-64992-A-16-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-64992-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 124115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-8	BH12	Total/NA	Solid	8015NM Prep	
MB 880-124115/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124115/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9079-8 MS	BH12	Total/NA	Solid	8015NM Prep	
890-9079-8 MSD	BH12	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-8	BH12	Total/NA	Solid	8015B NM	124115
MB 880-124115/1-A	Method Blank	Total/NA	Solid	8015B NM	124115
LCS 880-124115/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124115
LCSD 880-124115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124115
890-9079-8 MS	BH12	Total/NA	Solid	8015B NM	124115
890-9079-8 MSD	BH12	Total/NA	Solid	8015B NM	124115

Analysis Batch: 124637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-1	BH01	Total/NA	Solid	8015B NM	124085
890-9079-2	BH01A	Total/NA	Solid	8015B NM	124085
890-9079-3	BH02	Total/NA	Solid	8015B NM	124085
890-9079-4	BH02A	Total/NA	Solid	8015B NM	124085
890-9079-5	BH09	Total/NA	Solid	8015B NM	124085
890-9079-6	BH09A	Total/NA	Solid	8015B NM	124085
890-9079-7	BH11	Total/NA	Solid	8015B NM	124085
MB 880-124085/1-A	Method Blank	Total/NA	Solid	8015B NM	124085
LCS 880-124085/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124085
LCSD 880-124085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124085
880-64992-A-16-B MS	Matrix Spike	Total/NA	Solid	8015B NM	124085
880-64992-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	124085

Analysis Batch: 124730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-1	BH01	Total/NA	Solid	8015 NM	
890-9079-2	BH01A	Total/NA	Solid	8015 NM	
890-9079-3	BH02	Total/NA	Solid	8015 NM	
890-9079-4	BH02A	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

GC Semi VOA (Continued)

Analysis Batch: 124730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-5	BH09	Total/NA	Solid	8015 NM	
890-9079-6	BH09A	Total/NA	Solid	8015 NM	
890-9079-7	BH11	Total/NA	Solid	8015 NM	
890-9079-8	BH12	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 124222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-1	BH01	Soluble	Solid	DI Leach	
890-9079-2	BH01A	Soluble	Solid	DI Leach	
890-9079-3	BH02	Soluble	Solid	DI Leach	
890-9079-4	BH02A	Soluble	Solid	DI Leach	
890-9079-5	BH09	Soluble	Solid	DI Leach	
890-9079-6	BH09A	Soluble	Solid	DI Leach	
890-9079-7	BH11	Soluble	Solid	DI Leach	
890-9079-8	BH12	Soluble	Solid	DI Leach	
MB 880-124222/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124222/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124222/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65030-A-60-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-65030-A-60-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 124236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9079-1	BH01	Soluble	Solid	300.0	124222
890-9079-2	BH01A	Soluble	Solid	300.0	124222
890-9079-3	BH02	Soluble	Solid	300.0	124222
890-9079-4	BH02A	Soluble	Solid	300.0	124222
890-9079-5	BH09	Soluble	Solid	300.0	124222
890-9079-6	BH09A	Soluble	Solid	300.0	124222
890-9079-7	BH11	Soluble	Solid	300.0	124222
890-9079-8	BH12	Soluble	Solid	300.0	124222
MB 880-124222/1-A	Method Blank	Soluble	Solid	300.0	124222
LCS 880-124222/2-A	Lab Control Sample	Soluble	Solid	300.0	124222
LCSD 880-124222/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124222
880-65030-A-60-C MS	Matrix Spike	Soluble	Solid	300.0	124222
880-65030-A-60-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	124222

Lab Chronicle

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH01

Lab Sample ID: 890-9079-1

Date Collected: 11/13/25 10:21

Matrix: Solid

Date Received: 11/14/25 08:45

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	124402	11/19/25 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124627	11/21/25 23:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124936	11/21/25 23:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			124730	11/21/25 22:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	124085	11/14/25 14:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124637	11/21/25 22:36	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124222	11/17/25 13:19	SA	EET MID
Soluble	Analysis	300.0		5			124236	11/18/25 22:28	CS	EET MID

Client Sample ID: BH01A

Lab Sample ID: 890-9079-2

Date Collected: 11/13/25 10:26

Matrix: Solid

Date Received: 11/14/25 08:45

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	124402	11/19/25 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124627	11/21/25 23:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124936	11/21/25 23:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			124730	11/21/25 22:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124085	11/14/25 14:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124637	11/21/25 22:52	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124222	11/17/25 13:19	SA	EET MID
Soluble	Analysis	300.0		10			124236	11/18/25 22:44	CS	EET MID

Client Sample ID: BH02

Lab Sample ID: 890-9079-3

Date Collected: 11/13/25 11:06

Matrix: Solid

Date Received: 11/14/25 08:45

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	124402	11/19/25 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124627	11/21/25 23:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124936	11/21/25 23:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			124730	11/21/25 23:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124085	11/14/25 14:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124637	11/21/25 23:06	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124222	11/17/25 13:19	SA	EET MID
Soluble	Analysis	300.0		5			124236	11/18/25 22:49	CS	EET MID

Client Sample ID: BH02A

Lab Sample ID: 890-9079-4

Date Collected: 11/13/25 11:08

Matrix: Solid

Date Received: 11/14/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124402	11/19/25 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124627	11/22/25 00:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124936	11/22/25 00:19	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH02A

Lab Sample ID: 890-9079-4

Date Collected: 11/13/25 11:08

Matrix: Solid

Date Received: 11/14/25 08:45

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			124730	11/21/25 23:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124085	11/14/25 14:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124637	11/21/25 23:20	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124222	11/17/25 13:19	SA	EET MID
Soluble	Analysis	300.0		5			124236	11/18/25 22:54	CS	EET MID

Client Sample ID: BH09

Lab Sample ID: 890-9079-5

Date Collected: 11/13/25 12:27

Matrix: Solid

Date Received: 11/14/25 08:45

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	124402	11/19/25 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124627	11/22/25 00:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124936	11/22/25 00:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			124730	11/21/25 23:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124085	11/14/25 14:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124637	11/21/25 23:35	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124222	11/17/25 13:19	SA	EET MID
Soluble	Analysis	300.0		5			124236	11/18/25 23:00	CS	EET MID

Client Sample ID: BH09A

Lab Sample ID: 890-9079-6

Date Collected: 11/13/25 12:31

Matrix: Solid

Date Received: 11/14/25 08:45

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	124402	11/19/25 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124627	11/22/25 01:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124936	11/22/25 01:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			124730	11/21/25 23:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124085	11/14/25 14:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124637	11/21/25 23:49	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124222	11/17/25 13:19	SA	EET MID
Soluble	Analysis	300.0		5			124236	11/18/25 23:05	CS	EET MID

Client Sample ID: BH11

Lab Sample ID: 890-9079-7

Date Collected: 11/13/25 13:43

Matrix: Solid

Date Received: 11/14/25 08:45

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	124402	11/19/25 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124627	11/22/25 01:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124936	11/22/25 01:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			124730	11/22/25 00:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124085	11/14/25 14:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124637	11/22/25 00:03	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Client Sample ID: BH11

Lab Sample ID: 890-9079-7

Date Collected: 11/13/25 13:43

Matrix: Solid

Date Received: 11/14/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	124222	11/17/25 13:19	SA	EET MID
Soluble	Analysis	300.0		1			124236	11/18/25 23:10	CS	EET MID

Client Sample ID: BH12

Lab Sample ID: 890-9079-8

Date Collected: 11/13/25 14:26

Matrix: Solid

Date Received: 11/14/25 08:45

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	124402	11/19/25 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124627	11/22/25 01:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124936	11/22/25 01:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			124730	11/20/25 22:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	124115	11/15/25 11:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124571	11/20/25 22:33	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124222	11/17/25 13:19	SA	EET MID
Soluble	Analysis	300.0		1			124236	11/18/25 23:16	CS	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: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

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

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Method Summary

Client: Ensolum
Project/Site: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

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: ROW 1 BW

Job ID: 890-9079-1
SDG: 03C1558773

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9079-1	BH01	Solid	11/13/25 10:21	11/14/25 08:45	New Mexico
890-9079-2	BH01A	Solid	11/13/25 10:26	11/14/25 08:45	New Mexico
890-9079-3	BH02	Solid	11/13/25 11:06	11/14/25 08:45	New Mexico
890-9079-4	BH02A	Solid	11/13/25 11:08	11/14/25 08:45	New Mexico
890-9079-5	BH09	Solid	11/13/25 12:27	11/14/25 08:45	New Mexico
890-9079-6	BH09A	Solid	11/13/25 12:31	11/14/25 08:45	New Mexico
890-9079-7	BH11	Solid	11/13/25 13:43	11/14/25 08:45	New Mexico
890-9079-8	BH12	Solid	11/13/25 14:26	11/14/25 08:45	New Mexico

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Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 502-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 506-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1299
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 989-3199

Chain of Custody

890-9079 Chain of Custody



Project Manager:	Tracy Hillard	Bill to: (if different)	Robert Woodall
Company Name:	Ensolium	Company Name:	XTO Energy, Inc
Address:	3122 National Parks Hwy	Address:	3104 E Greene St.
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM, 88220
Phone:	(575) 937-3906	Email:	Thillard@ensolium.com, Morrissey@ensolium.com

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

Project Name:	ROW 1 BW	Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	03C1558773	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Name: NO DI Water: H ₂ O
Project Location:	32,238673, -103,894280	Due Date:			Cool: Cool MeOH: Me
Sampler's Name:	Trevor Wargo	TAT starts the day received by the lab, if received by 4:30pm			HCL: HC HNO ₃ : HN
PO #:					H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No			H ₂ PO ₄ : HP
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			NaHSO ₄ : NABS
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:			Na ₂ S ₂ O ₇ : NBSO ₅
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:			Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:			NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grav/Comp	# of Cont	Parameters	Sample Comments
BH01	Soil	10-21	10:26	2	G	1	TPH 8015	
BH01A			11:06	2			BTEX 8021	
BH02			11:08	3			Chloride 4500	
BH02A			12:27	2				
BH04			12:31	4				
BH04A			13:43	1				
BH11			14:26	1				
BH12								TBW

Total 200.7 / 6010 200.8 / 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 \$95.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco. ~~These terms will be authorized unless previously requested.~~

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Trevor Wargo</i>	<i>Robert Woodall</i>	11-14 8:45			

Incident # NAPP 255074782
 Cost center: 1056174002
 GFCM: 48605000

Revised Date: 08/25/2020 Rev. 2020 2

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Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad, NM 88220
 Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)	Sampler: N/A
Client Contact: N/A	Lab P.M.: Kramer, Jessica
Shipping/Receiving: N/A	E-Mail: Jessica.Kramer@et.eurofins.com
Company: Eurofins Environment Testing South Cent	Accreditations Required (See note): NELAP - Texas
Address: 1211 W. Florida Ave.	Carrier/Tracking No(s): N/A
City: Midland	State of Origin: New Mexico
State, Zip: TX, 79701	Page: 1 of 1
Phone: 432-704-5440(Tel)	Job #: 890-9079-1
Email: N/A	Preservation Codes:
Project Name: ROW 1 BW	
Site: N/A	

Due Date Requested: 11/20/2025	Analysis Requested
TAT Requested (days): N/A	Field Filtered Sample (Yes or No)
PO #: N/A	Perform MS/MSD (Yes or No)
WO #: N/A	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH
Project #: 89000110	8015MOD_Calc
SSON#: N/A	300_ORGFM_28D/DI_LEACHChloride
	8021B/5035FP_Calc(MOD) BTEX
	Total_BTEX_GCV

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Solid, O=Other)	Preservation Code: (B=Tris, A=As)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
BH01 (890-9079-1)	11/13/25	10:21	G	Solid		X	X	X	X	X	X	X	1	
BH01A (890-9079-2)	11/13/25	10:26	G	Solid		X	X	X	X	X	X	X	1	
BH02 (890-9079-3)	11/13/25	11:06	G	Solid		X	X	X	X	X	X	X	1	
BH02A (890-9079-4)	11/13/25	11:08	G	Solid		X	X	X	X	X	X	X	1	
BH09 (890-9079-5)	11/13/25	12:27	G	Solid		X	X	X	X	X	X	X	1	
BH09A (890-9079-6)	11/13/25	12:31	G	Solid		X	X	X	X	X	X	X	1	
BH11 (890-9079-7)	11/13/25	13:43	G	Solid		X	X	X	X	X	X	X	1	
BH12 (890-9079-8)	11/13/25	14:26	G	Solid		X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/method being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
 Special Instructions/QC Requirements: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Relinquished by: <i>Sum</i>	Date/Time: 11-14 1630	Company:	Relinquished by: <i>[Signature]</i>	Date/Time: 11/13/25	Company: QPD
Relinquished by: _____	Date/Time: _____	Company: _____	Relinquished by: _____	Date/Time: _____	Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: 1.8/1.7 - 1.7/1.8

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9079-1

SDG Number: 03C1558773

Login Number: 9079

List Number: 1

Creator: Lopez, Abraham

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	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9079-1

SDG Number: 03C1558773

Login Number: 9079

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 11/15/25 10:26 AM

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	

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APPENDIX E

Spill Volume Calculation

Location:	Row 1 Booster	
Spill Date:	10/31/2025	
Incident #:		
Area 1		
Approximate Area =	31605	sq. ft.
Average Saturation (or depth) of spill =	32.00	inches
Average Porosity Factor =	0.20	
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	3102.00	bbls
Area 2		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	3102.0	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =		bbls
Total Produced Water =	100	bbls

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QUESTIONS

Action 545884

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 545884
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2530444782
Incident Name	NAPP2530444782 ROW 1 BOOSTER @ D-09-24S-30E
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	ROW 1 BOOSTER
Date Release Discovered	10/31/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 3,102 BBL Recovered: 100 BBL Lost: 3,002 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)	Investigation determined the pipeline failure is due to an unknown third party damaging the exterior of the line with an underground boring bit. Date when damage occurred is unknown at this time. There was not a weld failed on poly pipeline as previously reported.

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QUESTIONS, Page 2

Action 545884

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 545884
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<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: NMEEnvNotifications@exxonmobil.com Date: 01/23/2026
--	--

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QUESTIONS, Page 3

Action 545884

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 545884
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (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)	5880
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	11/15/2025
On what date will (or did) the final sampling or liner inspection occur	04/15/2026
On what date will (or was) the remediation complete(d)	04/15/2026
What is the estimated surface area (in square feet) that will be reclaimed	31600
What is the estimated volume (in cubic yards) that will be reclaimed	4500
What is the estimated surface area (in square feet) that will be remediated	31600
What is the estimated volume (in cubic yards) that will be remediated	4500

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 545884

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 545884
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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: 01/23/2026
--	---

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 545884

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 545884
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 545884

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 545884
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	543515
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/20/2026
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	8000

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	No
--	-----------

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CONDITIONS

Action 545884

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 545884
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following conditions:	2/13/2026
scwells	1) Depth to groundwater is still not confirmed. If there are no wells within ½ mile of the site and/or the data from that well is more than 25 years old, a borehole can be drilled to 51' or 101'. If water is not detected in the open borehole after a 72-hour period, the OCD will accept this as a viable determination of depth to ground water. A copy of the driller's log is required. Only after this has been confirmed will the proposed Closure Criteria apply.	2/13/2026
scwells	2) OCD requires that any base or wall that is exposed during excavation, even due to benching and sloping, have samples collected pursuant to 19.15.29 NMAC. Ensure sidewall samples are collected between the varying depths of excavation and clearly show these on the Figures in your closure report.	2/13/2026
scwells	3) Ensure clear photos of the excavations prior to backfill are taken and included in the closure report, along with captions telling which sample points are shown.	2/13/2026
scwells	4) OCD will not approve a set number of samples as the size of the remediation excavation will dictate the number of confirmation samples that must be collected, and site conditions may change during remediation activities. An alternative sampling plan to collect base samples every 400 square feet and sidewall samples every 200 square feet is approved only after the depth to groundwater has been confirmed.	2/13/2026
scwells	Submit a complete remediation closure report to the OCD by 5/14/2026.	2/13/2026