



April 3, 2026

New Mexico Oil Conservation Division

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

**Re: Closure Request
Hackberry Pond Pipeline Row
Incident Number nAPP2527643588
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document assessment, delineation, excavation and soil sampling activities at the Hackberry Pond Pipeline Row (Site). The purpose of the remedial activities was to address impacts to soil following a release of produced water. Based on field observations and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing assessment, delineation, excavation, and soil sampling activities that have occurred and requesting no further remediation for Incident Number nAPP2527643588.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit I, Section 33, Township 20 South, Range 30 East, in Eddy County, New Mexico (32.5265670°, -103.9722893°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On October 3, 2025, a valve failure resulted in the release of approximately 60 barrels (bbls) of produced water onto the surface of the pipeline Right-of-Way (ROW) and adjacent pasture area. No fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) and an Initial C-141 Application (C-141) on October 3, 2025. The release was assigned Incident Number nAPP2527643588.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with recent depth to groundwater data is United States Geological Survey (USGS) well 323136103581201. Review of the New Mexico Oil and Gas Map indicated that USGS well 323136103581201 was within 1,000 feet of the Site, upon completion of a pedestrian survey, the location of the well was confirmed to be 1,075 feet east of the Site at GPS coordinates 32.526896°, -103.968753°. The most recent depth to groundwater

measurement is 180 feet bgs and was measured on February 5, 1971. The total depth of the well is 240 bgs. The well log is provided in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a riverine located approximately 8,060 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (medium potential karst designation area). Potential Site receptors are identified on Figure 1.

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

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

DELINEATION ACTIVITIES

On October 16 and 17, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. Nine delineation soil samples (SS01 through SS09) were collected at ground surface around the release extent to define the lateral extent the release. Additionally, eight delineation boreholes (BH01 through BH08) were advanced via hand auger within the release extent to a maximum terminal depth of 2 feet bgs. Discrete soil samples were collected from each borehole at depths ranging from 0.5 feet to 2 feet bgs. All delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was collected, and a photographic log is included in Appendix B. Field screening results and observations from all boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

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

Laboratory analytical results from delineation soil samples SS01 through SS09, collected outside the release extent, indicated all COC concentrations were in compliance with the Site Closure Criteria, successfully defining the lateral extent of the release. Laboratory analytical results for delineation soil samples BH06 and BH07 indicated that all COC concentrations were in compliance with Site Closure Criteria at both ground surface and 1-foot bgs. Laboratory analytical results from delineation soil samples BH01, BH03, and BH04 indicated chloride concentrations exceeded the Site Closure criteria at 0.5 feet bgs but were compliant with Site Closure Criteria at terminal depths ranging from 1-foot to 2 feet

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bgs, successfully defining the vertical extent of the release. Laboratory analytical results from delineation soil samples BH02 and BH05 indicated chloride concentrations exceeded the Site Closure Criteria at depths ranging from 0.5 feet to 1-foot bgs. Based on visible staining in the release area and laboratory analytical results, additional delineation and excavation of impacted soil appeared warranted.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Based on the location of the release, BLM land access approval was required prior to conducting remedial activities with mechanical equipment. XTO submitted a Form 3160-5 (Sundry) to the BLM to request access to the pasture soils on October 21, 2025. XTO received an approved Sundry, granting access to complete remediation on October 29, 2025. The approved Sundry presented in Appendix D.

Between December 9, 2025, and March 17, 2026, Ensolum personnel were at the Site to oversee excavation activities and conduct confirmation soil sampling. Excavation activities were performed utilizing heavy equipment, hydro excavation and transport vehicles. Excavation activities occurred on ROW and adjacent pasture areas. To direct excavation activities, Ensolum personnel field screened the soil for VOCs and chloride in the same manner as described above. Following the removal of impacted soil, 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing.

Confirmation soil samples FS01 through FS80 were collected from the floor of the excavation at depths ranging from 1-foot to 3 feet bgs. Confirmation soil samples SW01 through SW14 were collected from the sidewalls of the excavation at depths ranging from ground surface to 3 feet bgs. Confirmation soil samples CS01 and CS02 were collected at 0.5 feet bgs from the floor of the excavation, near the Point of Release (POR) and active production piping and equipment where excavation could not be completed via heavy equipment; the areas were excavated via hand tools and sampled in the same manner as previously described. The excavation extent and confirmation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 3. Photographic documentation of the excavation activities are provided in Appendix B.

The confirmation 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 or Eurofins for analysis of the same COCs listed previously.

The final excavation extent measured approximately 15,899 square feet. A total of approximately 1,296 cubic yards of impacted soil was removed during the excavation activities and is the process of being properly disposed of at the R360 Halfway Disposal in Hobbs, New Mexico. The final excavation extent is in the process of being backfilled with material purchased locally and recontoured to match pre-existing Site conditions.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final excavation confirmation floor and sidewall soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. The laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included in Appendix E.

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CLOSURE REQUEST

Excavation activities were conducted at the Site to address the October 2025 release of produced water. Laboratory analytical results for all confirmation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirements. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing Site conditions and reseeded with the appropriate BLM seed mixture.

Excavation of soil has mitigated impacts to soil that exceeded Closure Criteria and reclamation requirements at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests no further remediation for Incident Number nAPP2527643588.

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 blue ink, appearing to read "J. Reich".

Jeremy Reich
Project Geologist

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

Tacoma Morrissey, M.S., P.G.
Associate Principal

cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Log
Appendix D	BLM Land Access Approval
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	NMOCD Correspondence



FIGURES

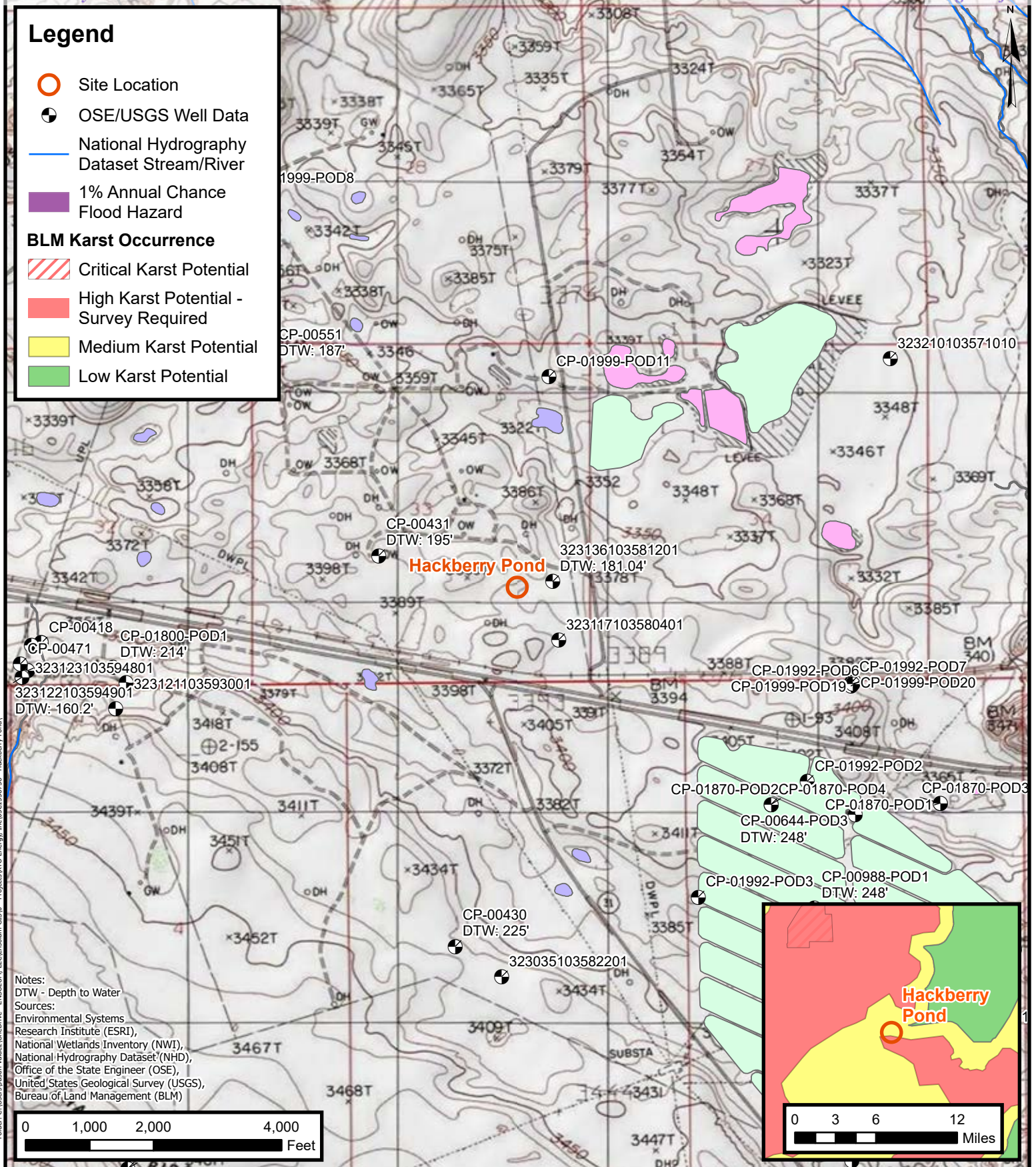
Legend

-  Site Location
-  OSE/USGS Well Data
-  National Hydrography Dataset Stream/River

-  1% Annual Chance Flood Hazard

BLM Karst Occurrence

-  Critical Karst Potential
-  High Karst Potential - Survey Required
-  Medium Karst Potential
-  Low Karst Potential

**Site Receptor Map**

XTO Energy, Inc
Hackberry Pond Pipeline Row
Incident Number: nAPP2527643588
Unit I, Section 33, T 20S, R 30E
Eddy County, New Mexico

FIGURE**1**

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Delineation Soil Sample - Removed
- ▲ Point of Release (POR)
- Oil and Gas Utility Line
- Water Utility Line
- ▨ Release Extent

**Notes:**

Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable Closure Criteria.
 Grey text indicate soil sample was removed during excavation activities.

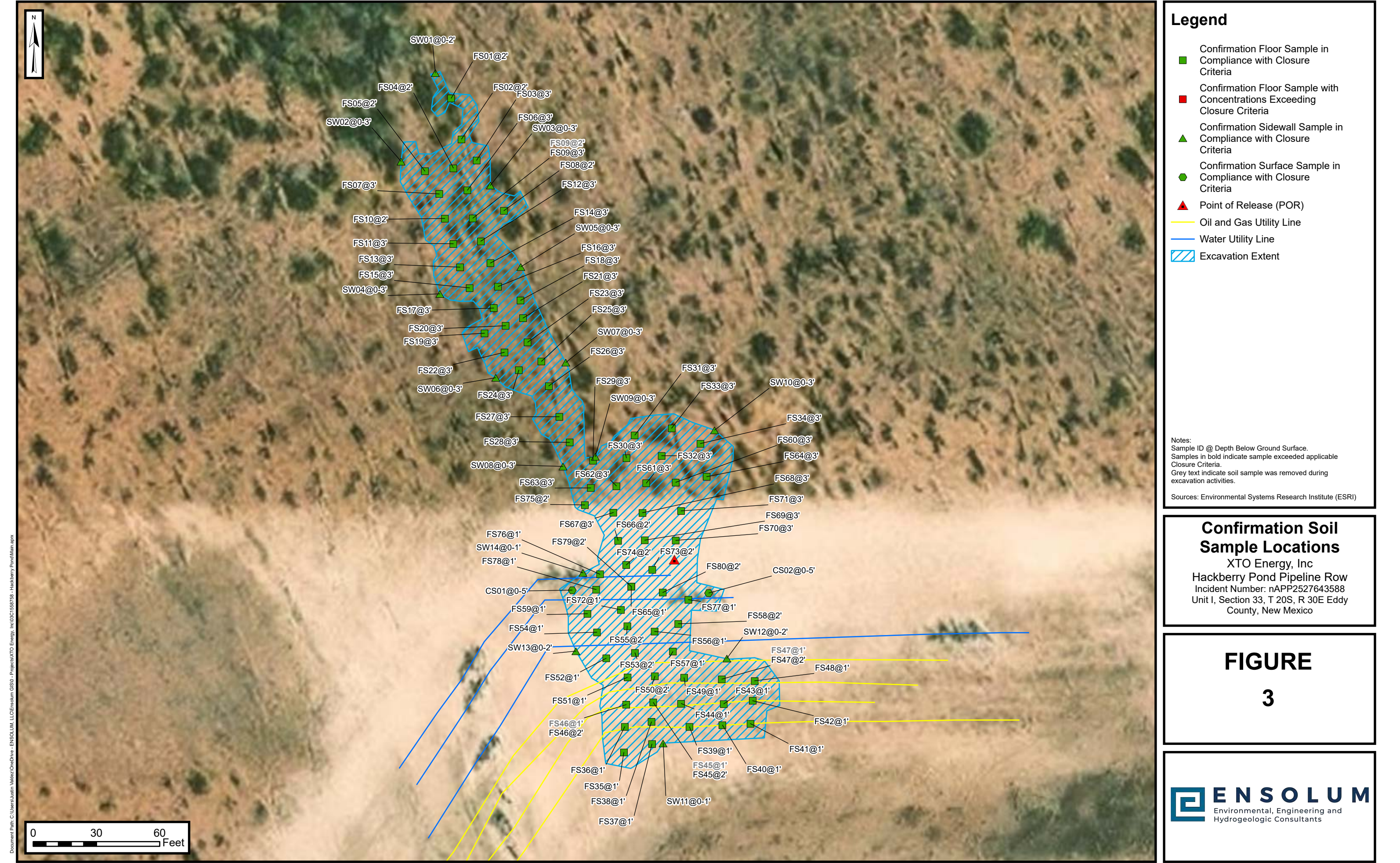
0 15 30 60 90 120
 Feet

Sources: Environmental Systems Research Institute (ESRI)

**Delineation Soil Sample Locations**

XTO Energy, Inc
 Hackberry Pond Pipeline Row
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 Unit I, Section 33, T 20S, R 30E
 Eddy County, New Mexico

FIGURE**2**





TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Hackberry Pond Pipeline Row
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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS02	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS03	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS04	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS05	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SS06	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS07	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS08	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS09	10/16/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH01	10/17/2025	0.5	<0.00139	<0.00228	18.5	<15.1	<15.1	18.5	18.5	5,030
BH01	10/17/2025	2	<0.00140	<0.00229	20.8	<15.1	<15.1	20.8	20.8	248
BH02	10/17/2025	0.5	<0.00140	<0.00229	20.0	<15.1	<15.1	20.0	20.0	5,290
BH02	10/17/2025	1	<0.00138	<0.00227	20.1	<15.0	<15.0	20.1	20.1	2,300
BH03	10/17/2025	0.5	<0.00139	<0.00228	20.4	<15.1	<15.1	20.4	20.4	1,220
BH03	10/17/2025	1	<0.00139	<0.00228	<14.5	<15.1	<15.1	<14.5	<15.1	518
BH04	10/17/2025	0.5	<0.00140	<0.00229	<14.5	<15.1	<15.1	<14.5	<15.1	999
BH04	10/17/2025	1	<0.00140	<0.00229	<14.4	<15.0	<15.0	<14.4	<15.0	173
BH05	10/17/2025	0.5	<0.00138	<0.00227	<14.5	<15.1	<15.1	<14.5	<15.1	905
BH05	10/17/2025	1	<0.00139	<0.00228	<14.5	<15.1	<15.1	<14.5	<15.1	808
BH06	10/16/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH06	10/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH07	10/16/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
BH07	10/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
BH08	10/16/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,680
BH08	10/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
Confirmation Soil Samples										
FS01	12/09/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS02	12/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS03	12/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240



TABLE 1
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 Hackberry Pond Pipeline Row
 XTO Energy, Inc
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS04	12/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
FS05	12/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS06	12/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS07	12/10/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS08	12/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS09	12/10/2025	2	<0.050	<0.300	<10.0	137	<10.0	137	137	368
FS09	12/15/2025	3	<0.50	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS10	12/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS11	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS12	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS13	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS14	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS15	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS16	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS17	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS18	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS19	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS20	12/11/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS21	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS22	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS23	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS24	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS25	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS26	12/12/2025	3	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	114
FS27	12/12/2025	3	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	255
FS28	12/12/2025	3	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	74.3



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 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS29	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS30	12/15/2025	3	<0.050	<0.300	<10.0	12.5	<10.0	12.5	12.5	160
FS31	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS32	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS33	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS34	12/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS35	12/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS36	12/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS37	12/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS38	12/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS39	12/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS40	12/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS41	12/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS42	12/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS43	12/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
FS44	12/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS45	12/22/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,180
FS45	01/12/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS46	12/22/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,760
FS46	01/12/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS47	12/22/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
FS47	01/12/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS48	12/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS49	12/22/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS50	01/12/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS51	01/12/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208



TABLE 1
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 Hackberry Pond Pipeline Row
 XTO Energy, Inc
 Eddy County, New Mexico

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS52	01/12/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS53	01/13/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS54	01/12/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS55	01/13/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS56	01/13/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS57	01/13/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS58	01/13/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS59	01/13/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS60	01/13/2026	3	<0.050	<0.300	<10.0	31.1	<10.0	31.1	31.1	128
FS61	01/13/2026	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS62	01/13/2026	3	<0.050	<0.300	<10.0	60.4	<10.0	60.4	60.4	432
FS63	01/29/2026	3	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	222
FS64	01/30/2026	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	121
FS65	01/30/2026	1	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	113
FS66	01/30/2026	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	40.3
FS67	01/30/2026	3	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	60.2
FS68	01/30/2026	3	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	252
FS69	01/30/2026	3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	81.2
FS70	01/30/2026	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	79.4
FS71	01/30/2026	3	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	64.3
FS72	03/04/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS73	01/30/2026	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	626
FS73A	03/17/2026	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS74	01/30/2026	2	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	229
FS75	03/04/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS76	03/05/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Hackberry Pond Pipeline Row
 XTO Energy, Inc
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS77	03/05/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS78	03/05/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS79	03/06/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS80	03/06/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW01	12/09/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW02	12/12/2025	0-3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	38.5
SW03	12/12/2025	0-3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	62.2
SW04	12/12/2025	0-3	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	365
SW05	12/12/2025	0-3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	116
SW06	12/16/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW07	12/16/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW08	12/16/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW09	12/16/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW10	12/16/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW11	12/16/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW12	01/29/2026	0-2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	385
SW13	01/29/2026	0-2	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	<50.1	135
SW14	03/05/2026	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS01	03/06/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS02	03/06/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

Click to hideNews Bulletins

- **Due to a lapse in government funding, the majority of USGS websites will not be updated except to provide important public safety information. Websites displaying real-time water data will be updated with limited support. For more information please see www.doi.gov/shutdown.**
- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323136103581201

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

USGS 323136103581201 20S.30E.33.42144

Eddy County, New Mexico
Latitude 32°31'36", Longitude 103°58'12" NAD27
Land-surface elevation 3,374 feet above NAVD88
The depth of the well is 240 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measure
1948-12-27			D 62610		3168.70	NGVD29	1		Z	
1948-12-27			D 62611		3170.28	NAVD88	1		Z	
1948-12-27			D 72019	203.72			1		Z	
1965-12-01			D 62610		3190.70	NGVD29	1		Z	
1965-12-01			D 62611		3192.28	NAVD88	1		Z	
1965-12-01			D 72019	181.72			1		Z	
1968-04-03			D 62610		3191.38	NGVD29	1		Z	
1968-04-03			D 62611		3192.96	NAVD88	1		Z	
1968-04-03			D 72019	181.04			1		Z	
1971-02-05			D 62610		3192.59	NGVD29	1		Z	
1971-02-05			D 62611		3194.17	NAVD88	1		Z	
1971-02-05			D 72019	179.83			1		Z	

Explanation

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

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



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2025-10-20 10:33:03 EDT
0.37 0.29 nadww02

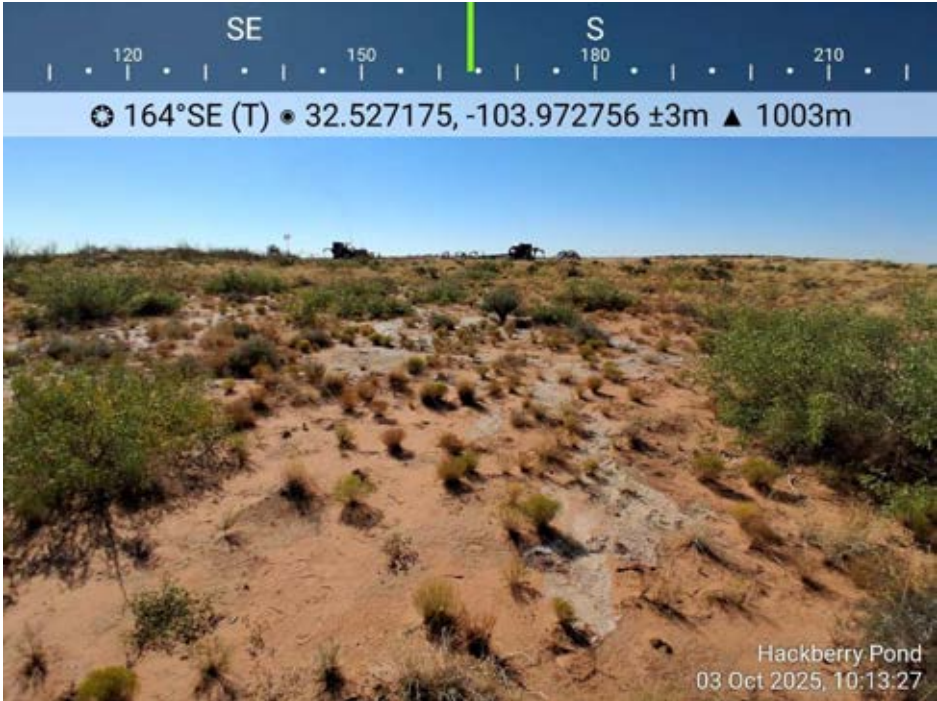


APPENDIX B

Photographic Log

Photographic Log

XTO Energy, Inc
 Hackberry Pond Pipeline Row
 nAPP2527643588

<u>Photograph</u> 1	<u>Date</u> 10/3/2025	 Hackberry Pond 03 Oct 2025, 10:08:01
<u>Description</u> Point of Release		
<u>View</u> Northwest		
<u>Photograph</u> 2	<u>Date</u> 10/3/2025	 Hackberry Pond 03 Oct 2025, 10:13:27
<u>Description</u> Initial release staining in pasture; near SS01		
<u>View</u> South		

Photographic Log

XTO Energy, Inc
 Hackberry Pond Pipeline Row
 nAPP2527643588

<u>Photograph</u> 3	<u>Date</u> 10/3/2025	 Hackberry Pond 03 Oct 2025, 10:14:44
<u>Description</u> Initial release staining in pasture; near SS09		
<u>View</u> Southeast		
<u>Photograph</u> 4	<u>Date</u> 10/3/2025	 Hackberry Pond 03 Oct 2025, 10:16:21
<u>Description</u> Initial release staining in pasture; near SS08		
<u>View</u> East		

Photographic Log

XTO Energy, Inc
Hackberry Pond Pipeline Row
nAPP2527643588

Photograph 5	Date 10/17/2025	
Description Delineation activities; BH04		
View South		

Photograph 6	Date 12/8/2025	North East ☉ 47°NE (T) • 32.526896, -103.968753 ±3m ▲ 1003m 
Description Confirmation of USGS well 323136103581201		
View Northeast		



Photographic Log

XTO Energy, Inc
Hackberry Pond Pipeline Row
nAPP2527643588

<u>Photograph</u> 7	<u>Date</u> 12/10/2025	North West ☉ 327°NW (T) • 32.527023, -103.972589 ±3m ▲ 1007m  Hackberry Pond Pipeline Row 10 Dec 2025 8:36:48
<u>Description</u> Excavation activities; near FS08		
<u>View</u> Northwest		
<u>Photograph</u> 8	<u>Date</u> 12/10/2025	South East ☉ 156°SE (T) • 32.52714, -103.972727 ±3m ▲ 1002m  Hackberry Pond Pipeline Row 10 Dec 2025 12:53:07
<u>Description</u> Excavation activities; near FS05		
<u>View</u> Southeast		

Photographic Log

XTO Energy, Inc
 Hackberry Pond Pipeline Row
 nAPP2527643588

<u>Photograph</u> 9	<u>Date</u> 12/15/2025	North West 334°NW (T) • 32.526704, -103.97242 ±3m ▲ 1007m  Hackberry Pond Pipeline Row 15 Dec 2025 8:28:18
<u>Description</u> Excavation activities; near FS29		
<u>View</u> Northwest		
<u>Photograph</u> 10	<u>Date</u> 12/15/2025	West 289°W (T) • 32.526721, -103.972229 ±3m ▲ 1007m  Hackberry Pond Pipeline Row 15 Dec 2025 14:02:25
<u>Description</u> Excavation activities; near FS34		
<u>View</u> West		

Photographic Log

XTO Energy, Inc
Hackberry Pond Pipeline Row
nAPP2527643588

<u>Photograph</u> 11	<u>Date</u> 12/16/2025	North East ☉ 60°NE (T) • 32.526489, -103.972418 ±3m ▲ 1008m  Hackberry Pond Pipeline Row 16 Dec 2025 8:21:36
<u>Description</u> Excavation activities; near FS36		
<u>View</u> Southeast		
<u>Photograph</u> 12	<u>Date</u> 1/12/2026	East Elevation ☉ 253°SW (T) • 32.526519, -103.972137 ±5m ▲ 999m  Hackberry Pond Pipeline Row 12 Jan 2026 8:42:37
<u>Description</u> Excavation activities; near FS48		
<u>View</u> Southwest		



ENSOLUM

Photographic Log

XTO Energy, Inc
Hackberry Pond Pipeline Row
nAPP2527643588

<u>Photograph</u> 13	<u>Date</u> 1/29/2026	West Elevation 82°E (T) • 32.526661, -103.972497 ±3m ▲ 1005m  Hackberry Pond Pipeline Row 29 Jan 2026 14:28:07
<u>Description</u> Excavation activities; near FS75		
<u>View</u> East		
<u>Photograph</u> 14	<u>Date</u> 1/29/2025	West Elevation 86°E (T) • 32.526707, -103.972279 ±3m ▲ 1005m  Hackberry Pond Pipeline Row 29 Jan 2026 14:29:26
<u>Description</u> Excavation activities; near FS64		
<u>View</u> East		

Photographic Log

XTO Energy, Inc
 Hackberry Pond Pipeline Row
 nAPP2527643588

Photograph 15	Date 1/30/2025	South Elevation ☉ 11°N (T) • 32.526511, -103.972384 ±3m ▲ 1001m 
Description Excavation activities; near FS65		
View North		
Photograph 16	Date 3/4/2026	SWW 240270300330030 ☉ 313°NW (T) • 32.526518°N, 103.972270°W ±13ft ▲ 3387ft 
Description Surface scrape; near FS73		
View Northwest		



Photographic Log

XTO Energy, Inc
Hackberry Pond Pipeline Row
nAPP2527643588

<u>Photograph</u> 17	<u>Date</u> 1/30/2025	
<u>Description</u> Additional excavation activities; near FS73		
<u>View</u> Southwest		
<u>Photograph</u> 18	<u>Date</u> 3/17/2026	
<u>Description</u> Sampling activities near FS73A		
<u>View</u> Southwest		



APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 10/17/2025	
								Site Name: Hackberry Pond Pipeline Row			
								Incident Number: NAPP2527643588			
								Job Number: 03C1558758			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: ER/JR		Method: Hand Auger	
Coordinates: 32.5270956, -103.9727052								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	5079	0	N	BH02	0.5	0	SP-SM	0-0.5': Red brown with off-white med- to fine grained sands with few silts. Carbonate gravels. Moderate to poorly graded, cohesive, non-plastic. Odor present.			
D	2744	0	N		1	1	SP	0.5'-2': Dark brown fine grained sand, with trace silt and trace carbonate gravels (0.2-0.3cm). Poorly graded, cohesive, non to low plasticity. Odor present.			
D	<179	0.1	N	BH02	2	2					
Total Depth @ 2 Feet bgs											

								Sample Name: BH02		Date: 10/17/2025	
								Site Name: Hackberry Pond Pipeline Row			
								Incident Number: NAPP2527643588			
								Job Number: 03C1558758			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: ER/JR		Method: Hand Auger	
Coordinates 32.526892, -103.972579								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	5079	0	N	BH02	0.5	0.5	SP-SM	0-0.5': Red brown with off-white med- to fine grained sands with few silts. Carbonate gravels. Moderate to poorly graded, cohesive, non-plastic. Odor present.			
D	2234	0	N	BH02	1	1	SP	0.5'-1': Dark brown fine grained sand, with trace silt and trace carbonate gravels (0.2-0.3cm). Poorly graded, cohesive, non to low plasticity. Odor present.			
Refusal @ 1' bgs - Total Depth @ 1 Feet bgs											

								Sample Name: BH03		Date: 10/17/2025	
								Site Name: Hackberry Pond Pipeline Row			
								Incident Number: NAPP2527643588			
								Job Number: 03C1558758			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: ER/JR		Method: Hand Auger	
Coordinates: 32.526756, -103.972354								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	1461	0.7	N	BH03	0.5	0.5	SP-SM	0-0.5': Red brown with off-white med- to fine grained sands with few silts. Carbonate gravels. Moderate to poorly graded, cohesive, non-plastic. Odor present.			
D	481	0.3	N	BH03	1	1	SP	0.5'-1': Dark brown fine grained sand, with trace silt and trace carbonate gravels (0.2-0.3cm). Poorly graded, cohesive, non to low plasticity. Odor present.			
Total Depth @ 1 Feet bgs											

								Sample Name: BH04		Date: 10/17/2025	
								Site Name: Hackberry Pond Pipeline Row			
								Incident Number: NAPP2527643588			
								Job Number: 03C1558758			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: ER/JR		Method: Hand Auger	
Coordinates: 32.526696, -103.972366								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	1254	1.6	N	BH04	0.5	0	SP-SM	0-0.5': Red brown with off-white med- to fine grained sands with few silts. Carbonate gravels. Moderate to poorly graded, cohesive, non-plastic. Odor present.			
D	<179	0.5	N	BH04	1	1	SP	0.5'-1': Dark brown fine grained sand, with trace silt and trace carbonate gravels (0.2-0.3cm). Poorly graded, cohesive, non to low plasticity. Odor present.			
Total Depth @ 1 Feet bgs											

								Sample Name: BH05		Date: 10/17/2025	
								Site Name: Hackberry Pond Pipeline Row			
								Incident Number: NAPP2527643588			
								Job Number: 03C1558758			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: ER/JR		Method: Hand Auger	
Coordinates: 32.526529, -103.972391								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	1230	1.5	N	BH05	0.5	0.5	SP-SM	0-0.5': Red brown with off-white med- to fine grained sands with few silts. Carbonate gravels. Moderate to poorly graded, cohesive, non-plastic. Odor present.			
D	1255	0.6	N	BH05	1	1	SP	0.5'-1': Dark brown fine grained sand, with trace silt and trace carbonate gravels (0.2-0.3cm). Poorly graded, cohesive, non to low plasticity. Odor present.			
Refusal @ 1' bgs - Total Depth @ 1 Feet bgs											



APPENDIX D

BLM Land Access Approval

Well Name: BIG EDDY	Well Location: T21S / R29E / SEC 8 / NENW / 32.4993528 / -104.0088748	County or Parish/State: EDDY / NM
Well Number: 73	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0505	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001522989	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2879636

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 10/21/2025	Time Sundry Submitted: 01:28
Date proposed operation will begin: 10/28/2025	

Procedure Description: XTO Permian Operating LLC., (XTO) respectfully requests access to an off-pad pasture area, along an active pipeline right of way (ROW), located 15,029 feet northeast of the Big Eddy Unit #073 well. Land access is needed in order to complete remediation activities related to a produced water release that occurred at the Hackberry Pond Pipeline ROW on October 2, 2025 (Incident Number nAPP2527643588). The Big Eddy Unit #073 well is the closest XTO operated well located on BLM land. The release occurred at GPS 32.5267,-103.972289 along the ROW and into the pasture area. It is important to note that the active lease number for the Big Eddy Unit #073 well is NMNM105465994, and the active lease number associated with the work area is NMNM105311265. Excavation of impacted soil is needed utilizing heavy equipment (backhoe, Trackhoe, loader, and hydro vacuum truck). After successful completion of remediation efforts, the disturbed area will be backfilled with topsoil purchased locally and re-contoured to match pre-existing site conditions and re-seeded with the recommended BLM seed mixture. Excavation activities will begin within 90 days following the approval of this request.

Surface Disturbance

Is any additional surface disturbance proposed?: Yes

Proposed Disturbance(acres): 2.59	Interim Reclamation (acres): 0.0	Long Term Disturbance (acres): 0.0
Surface Disturbance:		

NOI Attachments

Procedure Description

Requested_Disturbance_Site_Maps_20251021132553.pdf

Well Name: BIG EDDY	Well Location: T21S / R29E / SEC 8 / NENW / 32.4993528 / -104.0088748	County or Parish/State: EDDY / NM
Well Number: 73	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0505	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001522989	Operator: XTO PERMIAN OPERATING LLC	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHERRY MORROW

Signed on: OCT 21, 2025 01:26 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLANDState: TX

Phone: (432) 218-3671

Email address: SHERRY.MORROW@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CRISHA A MORGAN

BLM POC Title: Environmental Protection Specialist

BLM POC Phone: 5752345987

BLM POC Email Address: CAMORGAN@BLM.GOV

Disposition: Approved

Disposition Date: 10/29/2025

Signature: CRISHA A. MORGAN

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	NMNM0505
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2	
1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	
2. Name of Operator XTO PERMIAN OPERATING LLC	
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,	3b. Phone No. (include area code) (432) 683-2277
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 8/T21S/R29E/NMP	

7. If Unit of CA/Agreement, Name and/or No.
8. Well Name and No. BIG EDDY/73
9. API Well No. 3001522989
10. Field and Pool or Exploratory Area GOLDEN LANE/GOLDEN LANE
11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

XTO Permian Operating LLC., (XTO) respectfully requests access to an off-pad pasture area, along an active pipeline right of way (ROW), located 15,029 feet northeast of the Big Eddy Unit #073 well. Land access is needed in order to complete remediation activities related to a produced water release that occurred at the Hackberry Pond Pipeline ROW on October 2, 2025 (Incident Number nAPP2527643588). The Big Eddy Unit #073 well is the closest XTO operated well located on BLM land. The release occurred at GPS 32.5267,-103.972289 along the ROW and into the pasture area. It is important to note that the active lease number for the Big Eddy Unit #073 well is NMNM105465994, and the active lease number associated with the work area is NMNM105311265. Excavation of impacted soil is needed utilizing heavy equipment (backhoe, Trackhoe, loader, and hydro vacuum truck). After successful completion of remediation efforts, the disturbed area will be backfilled with topsoil purchased locally and re-contoured to match pre-existing site conditions and re-seeded with the recommended BLM seed mixture. Excavation activities will begin within 90 days following the approval of this request.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) SHERRY MORROW / Ph: (432) 218-3671	Title Regulatory Analyst
(Electronic Submission) Signature	Date 10/21/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by CRISHA A MORGAN / Ph: (575) 234-5987 / Approved	Title Environmental Protection Speciali	Date 10/29/2025
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NENW / 660 FNL / 1980 FWL / TWSP: 21S / RANGE: 29E / SECTION: 8 / LAT: 32.4993528 / LONG: -104.0088748 (TVD: 0 feet, MD: 0 feet)

BHL: NENW / 660 FNL / 1980 FWL / TWSP: 21S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Hackberry Pond Pipeline Row

Requested Area of Disturbance

Legend

-  Hackberry Pond Pipeline Row
-  Release Extent - NAPP2527643588
-  Requested Area of Disturbance

Hackberry Pond Pipeline Row



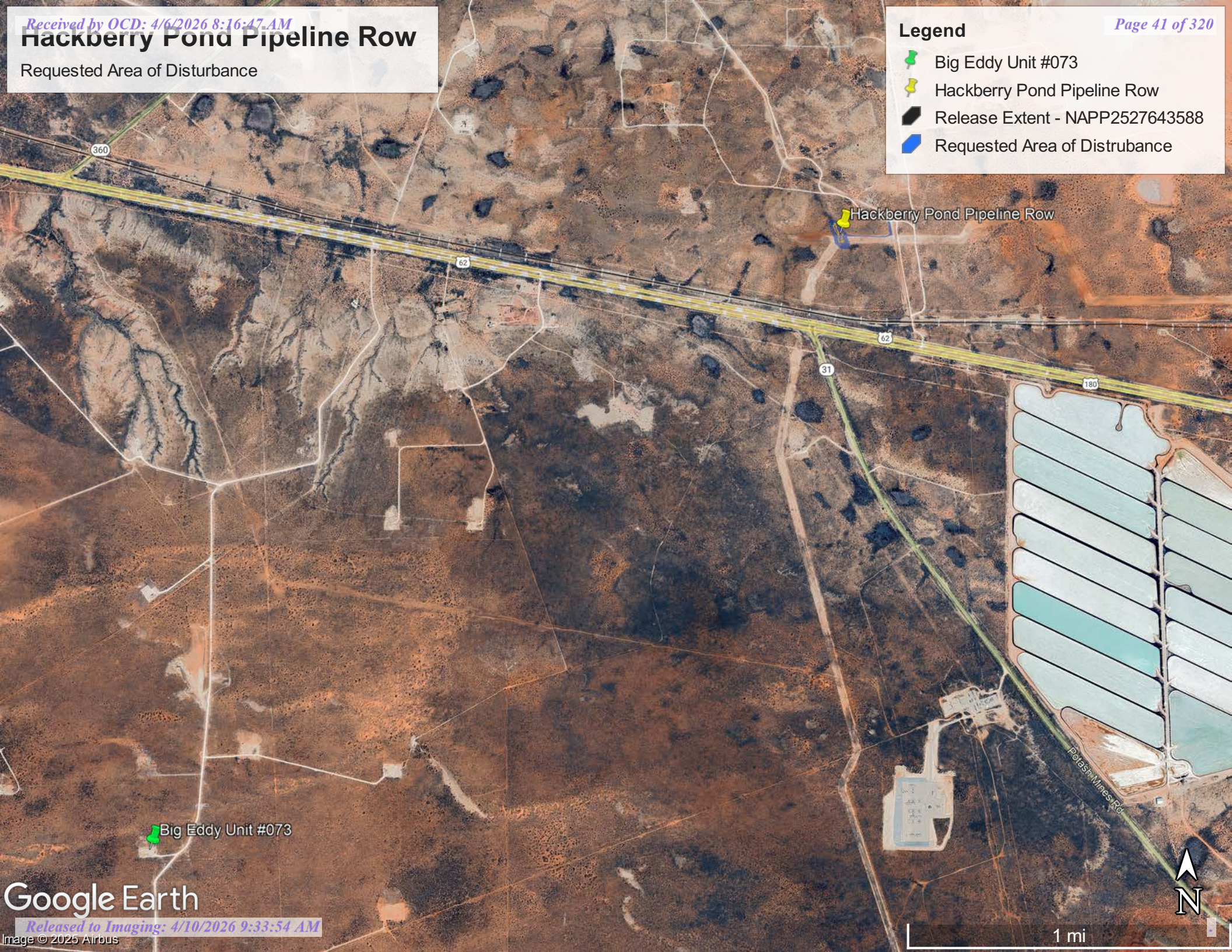
400 ft

Hackberry Pond Pipeline Row

Requested Area of Disturbance

Legend

- Big Eddy Unit #073
- Hackberry Pond Pipeline Row
- Release Extent - NAPP2527643588
- Requested Area of Disturbance



Big Eddy Unit #073

Google Earth

Released to Imaging: 4/10/2026 9:33:54 AM

Image © 2025 Airbus

1 mi





APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



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

October 20, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HACKBERRY POND

Enclosed are the results of analyses for samples received by the laboratory on 10/17/25 9:02.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 06 0.5 (H256557-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634	
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88	
Total BTEX	<0.300	0.300	10/17/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/17/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.3 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 06 1 (H256557-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	10/17/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.9 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 07 0.5 (H256557-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.5 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 07 1 (H256557-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 08 0.5 (H256557-05)

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	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 08 1 (H256557-06)

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	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEx	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

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

Page 49 of 1

Company Name: Ensolum, LLC		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Jeremy Reich		Company: XTO Energy, Inc					
Address: 601 N Marientfield Street, Suite 400		Attn: Robert Woodall					
City: Midland State: TX Zip: 79701		Address: 3104 E Greene St					
Phone #: 432-296-0627 Fax #: Project Owner: XTO		City: Carlsbad					
Project #: 03C1558758 Project Name: Hackberry Pond		State: NM Zip: 88220					
Project Location: 32.5265670, -103.9722893		Phone #:					
Sampler Name: Evan Roe		Fax #:					

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015 M/D	BTEX 8021B	Chloride SM4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
BH 06		0.5	G	1								10/16/2025	1415	✓	✓	✓
BH 06		1	G	1								10/16/2025	1428	✓	✓	✓
BH 07		0.5	G	1								10/16/2025	1310	✓	✓	✓
BH 07		1	G	1								10/16/2025	1315	✓	✓	✓
BH 08		0.5	G	1								10/16/2025	1340	✓	✓	✓
BH 08		1	G	1								10/16/2025	1353	✓	✓	✓

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Relinquished By: <i>John Doe</i>	Date: 10/13/25	Received By: <i>James May</i>
Relinquished By: <i>John Doe</i>	Date: 10/13/25	Received By: <i>James May</i>
Delivered By: (Circle One) <i>John Doe</i>	Observed Temp. °C: 40.0	Sample Condition: <i>Intact</i>
Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	Corrected Temp. °C: 49.0	Checked By: <i>AB</i>

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #140 Correction Factor +0.3°C

Cost Center: 2044621001

Incident Number: NA8P 25276+3588

GCFM: 48605000

Remarks: *PH 040201K - 011 TARS*

Verbal Result: ☐ Yes ☒ No Add'l Phone #: *910-240-1111*

All Results are emailed. Please provide Email address: *jreich@ensolum.com*

Thillard@ensolum.com, KThomason@ensolum.com

88ell@ensolum.com, TMorrissey@ensolum.com

Bacteria (only) Sample Condition: ☒ Intact ☐ Observed Temp. °C: *24*



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

October 20, 2025

JEREMY REICH
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: HACKBERRY POND

Enclosed are the results of analyses for samples received by the laboratory on 10/17/25 9:02.

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 "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: SS 01 SURFACE (H256558-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 02 SURFACE (H256558-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: SS 03 SURFACE (H256558-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 04 SURFACE (H256558-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: SS 05 SURFACE (H256558-05)

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	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.8 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: SS 06 SURFACE (H256558-06)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	0.0634	
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88	
Total BTX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	194	97.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	206	103	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.1 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	10/17/2025	Sampling Date:	10/16/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: SS 07 SURFACE (H256558-07)

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	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	226	113	200	2.56	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	205	102	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.8 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 08 SURFACE (H256558-08)

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	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	226	113	200	2.56	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	205	102	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.1 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/17/2025
 Reported: 10/20/2025
 Project Name: HACKBERRY POND
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 10/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 09 SURFACE (H256558-09)

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	10/17/2025	ND	2.07	103	2.00	0.0634		
Toluene*	<0.050	0.050	10/17/2025	ND	2.07	103	2.00	1.21		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.07	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.16	103	6.00	1.88		
Total BTEX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2025	ND	226	113	200	2.56	
DRO >C10-C28*	<10.0	10.0	10/17/2025	ND	205	102	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	10/17/2025	ND					

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 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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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Page 1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Jeremy Reich Address: 601 N Martenfeld Street, Suite 400 City: Midland State: TX Zip: 79701 Phone #: 432-296-0627 Fax #: Project #: 03C1558758 Project Owner: XTO Project Name: Hackberry Pond -SPILLS Project Location: 32.5265670, -103.9722893 Sampler Name: Evan Roe				P.O. #: Company: XTO Energy, Inc Attn: Robert Woodall Address: 3104 E Greene St City: Carlsbad State: NM Zip: 88220 Phone #: Fax #:											
BILL TO				ANALYSIS REQUEST											
Lab I.D.		Sample I.D.		Depth (feet)		DATE		TIME		TPH 8015 M/D		BTEX 8021B		Chloride SM4500	
#125458		-23456789		SS 01		Surface		10/16/2025		1220		✓		✓	
SS 02		Surface		10/16/2025		1104		✓		✓		✓		✓	
SS 03		Surface		10/16/2025		1113		✓		✓		✓		✓	
SS 04		Surface		10/16/2025		1118		✓		✓		✓		✓	
SS 05		Surface		10/16/2025		1225		✓		✓		✓		✓	
SS 06		Surface		10/16/2025		1230		✓		✓		✓		✓	
SS 07		Surface		10/16/2025		1235		✓		✓		✓		✓	
SS 08		Surface		10/16/2025		1240		✓		✓		✓		✓	
SS 09		Surface		10/16/2025		1108		✓		✓		✓		✓	

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Relinquished By: *[Signature]* **Date:** 10/17/25 **Received By:** *[Signature]*

Relinquished By: *[Signature]* **Date:** 10/17/25 **Received By:** *[Signature]*

Time: 7:38 **Observed Temp. °C:** 4.0 **Corrected Temp. °C:** 4.0

Delivered By: (Circle One) *[Signature]* **Observed Temp. °C:** 4.0 **Corrected Temp. °C:** 4.0

Sampler - UPS - Bus - Other: *[Signature]* **Form-006 R 3.6 02/12/25**

Verbal Result: ☐ Yes ☒ No **Add'l Phone #:** *[Handwritten]*

Remarks: *[Handwritten]*

Incident Number: *[Handwritten]*

Cost Center: *[Handwritten]*

Turnaround Time: *[Handwritten]*

Thermometer ID #140 **Correction Factor +0.3°C**

Standard ☐ **Bacteria (only) Sample Condition** ☐ **Cool Intact** ☐ **Observed Temp. °C** *[Handwritten]*

Corrected Temp. °C *[Handwritten]*



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

December 15, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 12/11/25 13:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/15/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: FS10 2' (H257671-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88	
Total BTEx	<0.300	0.300	12/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	240	16.0	12/12/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.0 % 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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS09 2' (H257671-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTEx	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	368	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	137	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 74.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.5 % 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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS08 2' (H257671-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTEx	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	96.0	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS07 3' (H257671-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTEX	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	128	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.5 % 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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS06 3' (H257671-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTEx	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	272	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 70.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 66.9 % 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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS05 2' (H257671-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTEx	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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	272	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS04 2' (H257671-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88	
Total BTX	<0.300	0.300	12/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	592	16.0	12/12/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS03 3' (H257671-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTEx	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	240	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS02 2' (H257671-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTEx	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	272	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

$$T-1$$

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 4/10/2026 9:33:54 AM



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

December 15, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 12/11/25 13:40.

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 "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	12/11/2025	Sampling Date:	12/09/2025
Reported:	12/15/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: FS 01 2 (H257672-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTX	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	112	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/11/2025
Reported: 12/15/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 01 0-2 (H257672-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2025	ND	1.85	92.7	2.00	2.16		
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.1	2.00	3.89		
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	2.19	109	2.00	8.03		
Total Xylenes*	<0.150	0.150	12/12/2025	ND	6.74	112	6.00	7.88		
Total BTX	<0.300	0.300	12/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	240	16.0	12/12/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2025	ND	212	106	200	0.918	
DRO >C10-C28*	<10.0	10.0	12/12/2025	ND	241	120	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	12/12/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

1-1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 17, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 12/15/25 12:00.

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 "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: FS 11 3' (H257747-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTEX	<0.300	0.300	12/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	128	16.0	12/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.4 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2025
 Reported: 12/17/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 12 3' (H257747-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTX	<0.300	0.300	12/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	64.0	16.0	12/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2025
 Reported: 12/17/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 13 3' (H257747-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTEx	<0.300	0.300	12/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	144	16.0	12/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.6 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2025
 Reported: 12/17/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 14 3' (H257747-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTX	<0.300	0.300	12/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	48.0	16.0	12/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.4 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2025
 Reported: 12/17/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 15 3' (H257747-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTX	<0.300	0.300	12/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	96.0	16.0	12/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.7 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2025
 Reported: 12/17/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 16 3' (H257747-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTEx	<0.300	0.300	12/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	48.0	16.0	12/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2025
 Reported: 12/17/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 17 3' (H257747-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTX	<0.300	0.300	12/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	80.0	16.0	12/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 72.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.6 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 12/15/2025
Reported: 12/17/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 18 3' (H257747-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTEx	<0.300	0.300	12/16/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/16/2025	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	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.3 % 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, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 12/15/2025
Reported: 12/17/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 19 3' (H257747-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52		
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11		
Total BTEx	<0.300	0.300	12/16/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/16/2025	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	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 77.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.8 % 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, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 12/15/2025
Reported: 12/17/2025
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/11/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 20 3' (H257747-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.90	95.2	2.00	1.52	
Toluene*	<0.050	0.050	12/16/2025	ND	1.96	98.2	2.00	1.51	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.98	99.0	2.00	1.49	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	6.10	102	6.00	1.11	
Total BTX	<0.300	0.300	12/16/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/16/2025	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	12/16/2025	ND	206	103	200	1.99	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	196	97.9	200	0.0316	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

1-1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

All test specimens must be stored at -80°C or -135°C or other storage of specimens. Temperature of storage must be noted upon receipt of the above stated material or otherwise.									
Relinquished By: <i>James Hargan</i>			Date: <i>12-15-25</i>		Received By:		Verbal Result: ☐ Yes ☐ No Add'l Phone #:		
Relinquished By:			Time: <i>1200</i>		Sample Condition: <i>Intact</i>		All Results are emailed. Please provide Email address: TWargo@ensolum.com BBeall@ensolum.com, TMorrissey@ensolum.com, JReich@ensolum.com THillard@ensolum.com, KThomason@ensolum.com, Richard.Koltzur@exxonmobil.com		
Date:			Received By:		Checked By: <i>(Initials)</i>		REMARKS: Incident Number: nAPP2527643586 Cost Center: 2094621001 GFCM: 48605000		
Time:			Sample Condition:		Cool Intact: ☒ Yes ☐ No		Turnaround Time: <i>48h</i> Standard <i>RUSH</i>		
Delivered By: (Circle One)			Corrected Temp. $^{\circ}\text{C}$: <i>0.8</i>		Cool Intact: ☒ Yes ☐ No		Bacteria (only) Sample Condition: <i>Intact</i>		
Sampler - UPS - Bus - Other:			Corrected Temp. $^{\circ}\text{C}$: <i>1.1</i>		Cool Intact: ☐ Yes ☐ No		Observed Temp. $^{\circ}\text{C}$: <i>14.3</i>		
Corrected Temp. $^{\circ}\text{C}$:			Checked By: <i>(Initials)</i>		Corrected Temp. $^{\circ}\text{C}$:		Corrected Temp. $^{\circ}\text{C}$:		



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

December 22, 2025

JEREMY REICH
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 12/19/25 14:31.

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 "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	12/19/2025	Sampling Date:	12/16/2025
Reported:	12/22/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: FS 35 1 (H257862-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2025	ND	1.84	92.1	2.00	3.12		
Toluene*	<0.050	0.050	12/19/2025	ND	2.00	100	2.00	2.92		
Ethylbenzene*	<0.050	0.050	12/19/2025	ND	2.02	101	2.00	2.60		
Total Xylenes*	<0.150	0.150	12/19/2025	ND	6.06	101	6.00	4.41		
Total BTEx	<0.300	0.300	12/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/22/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2025	ND	192	96.1	200	0.444	
DRO >C10-C28*	<10.0	10.0	12/19/2025	ND	175	87.3	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	12/19/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.8 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/22/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 36 1 (H257862-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2025	ND	1.84	92.1	2.00	3.12		
Toluene*	<0.050	0.050	12/19/2025	ND	2.00	100	2.00	2.92		
Ethylbenzene*	<0.050	0.050	12/19/2025	ND	2.02	101	2.00	2.60		
Total Xylenes*	<0.150	0.150	12/19/2025	ND	6.06	101	6.00	4.41		
Total BTX	<0.300	0.300	12/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/22/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2025	ND	192	96.1	200	0.444	
DRO >C10-C28*	<10.0	10.0	12/19/2025	ND	175	87.3	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	12/19/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/22/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 37 1 (H257862-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2025	ND	1.84	92.1	2.00	3.12		
Toluene*	<0.050	0.050	12/19/2025	ND	2.00	100	2.00	2.92		
Ethylbenzene*	<0.050	0.050	12/19/2025	ND	2.02	101	2.00	2.60		
Total Xylenes*	<0.150	0.150	12/19/2025	ND	6.06	101	6.00	4.41		
Total BTEX	<0.300	0.300	12/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/22/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2025	ND	192	96.1	200	0.444	
DRO >C10-C28*	<10.0	10.0	12/19/2025	ND	175	87.3	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	12/19/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.6 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/22/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 38 1 (H257862-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12		
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92		
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60		
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41		
Total BTEX	<0.300	0.300	12/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/22/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2025	ND	192	96.1	200	0.444	
DRO >C10-C28*	<10.0	10.0	12/19/2025	ND	175	87.3	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	12/19/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.9 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/22/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 39 1 (H257862-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12		
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92		
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60		
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41		
Total BTEX	<0.300	0.300	12/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/22/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2025	ND	192	96.1	200	0.444	
DRO >C10-C28*	<10.0	10.0	12/19/2025	ND	175	87.3	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	12/19/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.0 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/22/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 40 1 (H257862-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12	
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92	
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60	
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41	
Total BTEX	<0.300	0.300	12/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2025	ND	192	96.1	200	0.444	
DRO >C10-C28*	<10.0	10.0	12/19/2025	ND	175	87.3	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	12/19/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.6 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/22/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 42 1 (H257862-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12	
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92	
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60	
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41	
Total BTEX	<0.300	0.300	12/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2025	ND	192	96.1	200	0.444	
DRO >C10-C28*	<10.0	10.0	12/19/2025	ND	175	87.3	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	12/19/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.7 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/22/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 41 1 (H257862-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12	
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92	
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60	
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41	
Total BTEX	<0.300	0.300	12/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	187	93.3	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	167	83.5	200	8.58	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.7 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/22/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 11 0-1 (H257862-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12	
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92	
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60	
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41	
Total BTEX	<0.300	0.300	12/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	187	93.3	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	167	83.5	200	8.58	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO						ANALYSIS REQUEST										
Company Name: Ensolum, LLC						P.O. #:										
Project Manager: Jeremy Reich						Company: XTO Energy, Inc										
Address: 601 N Marientfield Street, Suite 400						Attn: Dale Woodall										
City: Midland						State: TX	Zip: 79701									
Phone #: (432) 296-0627						Fax #:										
Project #: 03C1558758						Project Owner: XTO Energy, Inc.										
Project Name: Hackberry Pond Pipeline Row						- SPILLS										
Project Location: 32.5265670, -103.9722893						State: NM	Zip: 88220									
Sampler Name: Trevor Wargo						Phone #:										
						Fax #:										
						MATERIAL	PROCESSING	SAMPLING								

FOR LAB USE ONLY

[illegible]

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Relinquished By:						Date:	Received By:	Verbal Result:	☐ Yes	☐ No	Add'l Phone #:
						Time:		All Results are emailed. Please provide Email address: BBell@ensolum.com, TMorrissey@ensolum.com, JReich@ensolum.com THiland@ensolum.com, KThomason@ensolum.com, Richard.Koltzur@exxonmobil.com			
Relinquished By:						Date:		REMARKS: Incident Number: NAPP252743588 Cost Center: 2094621001 GFCM: 48605000			
						Time:					
Delivered By: (Circle One)						Overserved Temp.: °C	Sample Condition	CHECKED BY:	Turnaround Time:	Standard	Bacteria (only) Sample Condition
						Corrected Temp.: °C	Cool Intact	(Initials)	24h	Rush	Cool Intact
Sampler - UPS - Bus - Other:						Yes ☒ No ☐	Yes ☐ No ☐	AP	Thermometer ID	Yes ☐ No ☒	Observed Temp.: °C
						Yes ☐ No ☐	Yes ☐ No ☐		4113	Yes ☐ No ☒	Corrected Temp.: °C
						Yes ☐ No ☐	Yes ☐ No ☐		OK TO GO	Yes ☐ No ☐	



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

December 23, 2025

JEREMY REICH
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 12/19/25 14:31.

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	12/19/2025	Sampling Date:	12/16/2025
Reported:	12/23/2025	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: SW 07 0-3 (H257863-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12		
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92		
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60		
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41		
Total BTX	<0.300	0.300	12/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/22/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	187	93.3	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	167	83.5	200	8.58	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.2 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/23/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 08 0-3 (H257863-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12		
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92		
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60		
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41		
Total BTEx	<0.300	0.300	12/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/22/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	187	93.3	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	167	83.5	200	8.58	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.8 % 39.9-141

Cardinal Laboratories

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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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/23/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 09 0-3 (H257863-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12	
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92	
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60	
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41	
Total BTEX	<0.300	0.300	12/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	187	93.3	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	167	83.5	200	8.58	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.5 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/23/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 10 0-3 (H257863-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12	
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92	
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60	
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41	
Total BTX	<0.300	0.300	12/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	187	93.3	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	167	83.5	200	8.58	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/19/2025
 Reported: 12/23/2025
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 12/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 06 0-3 (H257863-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2025	ND	1.84	92.1	2.00	3.12		
Toluene*	<0.050	0.050	12/20/2025	ND	2.00	100	2.00	2.92		
Ethylbenzene*	<0.050	0.050	12/20/2025	ND	2.02	101	2.00	2.60		
Total Xylenes*	<0.150	0.150	12/20/2025	ND	6.06	101	6.00	4.41		
Total BTEX	<0.300	0.300	12/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	64.0	16.0	12/22/2025	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	12/22/2025	ND	187	93.3	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	167	83.5	200	8.58	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

$$T - T_0$$
[illegible]

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

December 26, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 12/22/25 11:56.

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/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 43 1	H257892-01	Soil	22-Dec-25 09:02	22-Dec-25 11:56
FS 44 1	H257892-02	Soil	22-Dec-25 09:04	22-Dec-25 11:56
FS 45 1	H257892-03	Soil	22-Dec-25 09:06	22-Dec-25 11:56
FS 46 1	H257892-04	Soil	22-Dec-25 09:08	22-Dec-25 11:56
FS 47 1	H257892-05	Soil	22-Dec-25 09:16	22-Dec-25 11:56
FS 48 1	H257892-06	Soil	22-Dec-25 09:18	22-Dec-25 11:56
FS 49 1	H257892-07	Soil	22-Dec-25 09:20	22-Dec-25 11:56

12/26/25 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent earlier today, 12/26/25.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

FS 43 1
H257892-01 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	592		16.0	mg/kg	4	5122228	KH	23-Dec-25	4500-Cl-B	

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5122220	JH	22-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		107 %		70.4-141	5122220	JH	22-Dec-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5122222	MS	23-Dec-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5122222	MS	23-Dec-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5122222	MS	23-Dec-25	8015B	

Surrogate: 1-Chlorooctane		93.4 %		52.4-130	5122222	MS	23-Dec-25	8015B	

Surrogate: 1-Chlorooctadecane		89.5 %		39.9-141	5122222	MS	23-Dec-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

FS 44 1
H257892-02 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	464		16.0	mg/kg	4	5122228	KH	23-Dec-25	4500-Cl-B	

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5122220	JH	22-Dec-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	70.4-141		5122220	JH	22-Dec-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5122222	MS	23-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5122222	MS	23-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5122222	MS	23-Dec-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %	52.4-130		5122222	MS	23-Dec-25	8015B	

<i>Surrogate: 1-Chlorooctadecane</i>			97.3 %	39.9-141		5122222	MS	23-Dec-25	8015B	

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

FS 45 1
H257892-03 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	1180		16.0	mg/kg	4	5122228	KH	23-Dec-25	4500-Cl-B	

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5122220	JH	22-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		107 %		70.4-141	5122220	JH	22-Dec-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	

Surrogate: 1-Chlorooctane		71.4 %		52.4-130	5122224	MS	23-Dec-25	8015B	

Surrogate: 1-Chlorooctadecane		71.9 %		39.9-141	5122224	MS	23-Dec-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

FS 46 1
H257892-04 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	1760		16.0	mg/kg	4	5122228	KH	23-Dec-25	4500-Cl-B	

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5122220	JH	22-Dec-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	70.4-141		5122220	JH	22-Dec-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.5 %	52.4-130		5122224	MS	23-Dec-25	8015B	

<i>Surrogate: 1-Chlorooctadecane</i>			76.7 %	39.9-141		5122224	MS	23-Dec-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

FS 47 1
H257892-05 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	880		16.0	mg/kg	4	5122228	KH	23-Dec-25	4500-Cl-B	

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5122220	JH	22-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		105 %		70.4-141	5122220	JH	22-Dec-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	

Surrogate: 1-Chlorooctane		82.0 %		52.4-130	5122224	MS	23-Dec-25	8015B	

Surrogate: 1-Chlorooctadecane		82.1 %		39.9-141	5122224	MS	23-Dec-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

FS 48 1
H257892-06 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	400		16.0	mg/kg	4	5122228	KH	23-Dec-25	4500-Cl-B	

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5122220	JH	22-Dec-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	70.4-141		5122220	JH	22-Dec-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.4 %	52.4-130		5122224	MS	23-Dec-25	8015B	

<i>Surrogate: 1-Chlorooctadecane</i>			81.8 %	39.9-141		5122224	MS	23-Dec-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

FS 49 1
H257892-07 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	528		16.0	mg/kg	4	5122228	KH	23-Dec-25	4500-Cl-B	

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5122220	JH	22-Dec-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5122220	JH	22-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	70.4-141	5122220	JH	22-Dec-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5122224	MS	23-Dec-25	8015B	

Surrogate: 1-Chlorooctane	81.3 %	52.4-130	5122224	MS	23-Dec-25	8015B	

Surrogate: 1-Chlorooctadecane	80.9 %	39.9-141	5122224	MS	23-Dec-25	8015B	

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5122228 - 1:4 DI Water									
Blank (5122228-BLK1)				Prepared & Analyzed: 22-Dec-25					
Chloride	ND	16.0	mg/kg						
LCS (5122228-BS1)				Prepared & Analyzed: 22-Dec-25					
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (5122228-BSD1)				Prepared & Analyzed: 22-Dec-25					
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5122220 - Volatiles**Blank (5122220-BLK1)**

Prepared & Analyzed: 22-Dec-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	70.4-141			

LCS (5122220-BS1)

Prepared & Analyzed: 22-Dec-25

Benzene	1.74	0.050	mg/kg	2.00		87.1	71-111			
Toluene	1.77	0.050	mg/kg	2.00		88.3	75-116			
Ethylbenzene	1.76	0.050	mg/kg	2.00		88.1	74.2-119			
m,p-Xylene	3.63	0.100	mg/kg	4.00		90.7	72.5-123			
o-Xylene	1.81	0.050	mg/kg	2.00		90.3	70.5-124			
Total Xylenes	5.44	0.150	mg/kg	6.00		90.6	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.5	70.4-141			

LCS Dup (5122220-BSD1)

Prepared & Analyzed: 22-Dec-25

Benzene	1.58	0.050	mg/kg	2.00		79.2	71-111	9.53	17.6	
Toluene	1.65	0.050	mg/kg	2.00		82.3	75-116	7.03	14.8	
Ethylbenzene	1.66	0.050	mg/kg	2.00		83.2	74.2-119	5.79	14.2	
m,p-Xylene	3.42	0.100	mg/kg	4.00		85.5	72.5-123	5.92	13.6	
o-Xylene	1.69	0.050	mg/kg	2.00		84.7	70.5-124	6.41	13.7	
Total Xylenes	5.11	0.150	mg/kg	6.00		85.2	72.2-123	6.08	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0483		mg/kg	0.0500		96.6	70.4-141			

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5122222 - General Prep - Organics**Blank (5122222-BLK1)**

Prepared & Analyzed: 22-Dec-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	57.1		mg/kg	50.0		114	52.4-130			
Surrogate: 1-Chlorooctadecane	55.7		mg/kg	50.0		111	39.9-141			

LCS (5122222-BS1)

Prepared & Analyzed: 22-Dec-25

GRO C6-C10	229	10.0	mg/kg	200		114	78.7-123			
DRO >C10-C28	212	10.0	mg/kg	200		106	74.8-123			
Total TPH C6-C28	440	10.0	mg/kg	400		110	78.6-121			
Surrogate: 1-Chlorooctane	65.4		mg/kg	50.0		131	52.4-130			S-05
Surrogate: 1-Chlorooctadecane	59.3		mg/kg	50.0		119	39.9-141			

LCS Dup (5122222-BS1)

Prepared & Analyzed: 22-Dec-25

GRO C6-C10	225	10.0	mg/kg	200		113	78.7-123	1.37	11.3	
DRO >C10-C28	208	10.0	mg/kg	200		104	74.8-123	1.78	10.9	
Total TPH C6-C28	433	10.0	mg/kg	400		108	78.6-121	1.56	10.5	
Surrogate: 1-Chlorooctane	62.1		mg/kg	50.0		124	52.4-130			
Surrogate: 1-Chlorooctadecane	57.9		mg/kg	50.0		116	39.9-141			

Batch 5122224 - General Prep - Organics**Blank (5122224-BLK1)**

Prepared: 22-Dec-25 Analyzed: 23-Dec-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.6		mg/kg	50.0		105	52.4-130			
Surrogate: 1-Chlorooctadecane	55.2		mg/kg	50.0		110	39.9-141			

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
26-Dec-25 14:07

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5122224 - General Prep - Organics**LCS (5122224-BS1)**

Prepared: 22-Dec-25 Analyzed: 23-Dec-25

GRO C6-C10	195	10.0	mg/kg	200		97.3	78.7-123			
DRO >C10-C28	191	10.0	mg/kg	200		95.5	74.8-123			
Total TPH C6-C28	386	10.0	mg/kg	400		96.4	78.6-121			
Surrogate: 1-Chlorooctane	54.5		mg/kg	50.0		109	52.4-130			
Surrogate: 1-Chlorooctadecane	58.8		mg/kg	50.0		118	39.9-141			

LCS Dup (5122224-BS1)

Prepared: 22-Dec-25 Analyzed: 23-Dec-25

GRO C6-C10	211	10.0	mg/kg	200		106	78.7-123	8.27	11.3	
DRO >C10-C28	195	10.0	mg/kg	200		97.5	74.8-123	2.09	10.9	
Total TPH C6-C28	406	10.0	mg/kg	400		102	78.6-121	5.25	10.5	
Surrogate: 1-Chlorooctane	62.7		mg/kg	50.0		125	52.4-130			
Surrogate: 1-Chlorooctadecane	61.6		mg/kg	50.0		123	39.9-141			

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Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: Ensolum, LLC		P.O. #:		ANALYSIS REQUEST					
Project Manager: Jeremy Reich		Company: XTO Energy							
Address: 3122 National Parks Hwy		Attn: Robert Woodall							
City: Carlsbad		Address: 3104 E Green St							
State: NM Zip: 88220		City: Carlsbad							
Phone #: 970-210-9803		State: NM Zip: 88220							
Fax #: 970-210-9803		Phone #:							
Project #: 03C1558758		Project Owner: XTO Energy							
Project Name: Hackberry Pond Pipeline Row		City: Carlsbad							
Project Location: 32.5265670, -103.9722893		State: NM Zip: 88220							
Sample Name: Jacob Harrison		Phone #:							
FOR LAB USE ONLY		Fax #:							
Lab I.D. HS-7892		Sample I.D. 23025							
Sample Depth		(G)RAB OR (C)OMP							
1		1							
2		1							
3		1							
4		1							
5		1							
6		1							
7		1							
ES+42 43		ES+43 44							
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 14, 2026

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 01/13/26 14:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/13/2026
 Reported: 01/14/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/12/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 45 2' (H260186-01)

BTX 8021B			mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2026	ND	1.88	93.8	2.00	0.214		
Toluene*	<0.050	0.050	01/13/2026	ND	1.96	98.2	2.00	0.989		
Ethylbenzene*	<0.050	0.050	01/13/2026	ND	1.99	99.7	2.00	0.947		
Total Xylenes*	<0.150	0.150	01/13/2026	ND	5.93	98.9	6.00	0.872		
Total BTX	<0.300	0.300	01/13/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/14/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	201	101	200	15.0	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	233	117	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 74.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.0 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/13/2026
 Reported: 01/14/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/12/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 46 2' (H260186-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2026	ND	1.88	93.8	2.00	0.214		
Toluene*	<0.050	0.050	01/13/2026	ND	1.96	98.2	2.00	0.989		
Ethylbenzene*	<0.050	0.050	01/13/2026	ND	1.99	99.7	2.00	0.947		
Total Xylenes*	<0.150	0.150	01/13/2026	ND	5.93	98.9	6.00	0.872		
Total BTX	<0.300	0.300	01/13/2026	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/14/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	201	101	200	15.0	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	233	117	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 75.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.4 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/13/2026
 Reported: 01/14/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/12/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 47 2' (H260186-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2026	ND	1.88	93.8	2.00	0.214		
Toluene*	<0.050	0.050	01/13/2026	ND	1.96	98.2	2.00	0.989		
Ethylbenzene*	<0.050	0.050	01/13/2026	ND	1.99	99.7	2.00	0.947		
Total Xylenes*	<0.150	0.150	01/13/2026	ND	5.93	98.9	6.00	0.872		
Total BTX	<0.300	0.300	01/13/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/14/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	201	101	200	15.0	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	233	117	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 80.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.0 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/13/2026
 Reported: 01/14/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/12/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 50 2' (H260186-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2026	ND	1.88	93.8	2.00	0.214		
Toluene*	<0.050	0.050	01/13/2026	ND	1.96	98.2	2.00	0.989		
Ethylbenzene*	<0.050	0.050	01/13/2026	ND	1.99	99.7	2.00	0.947		
Total Xylenes*	<0.150	0.150	01/13/2026	ND	5.93	98.9	6.00	0.872		
Total BTX	<0.300	0.300	01/13/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/14/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	201	101	200	15.0	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	233	117	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 80.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.5 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/13/2026
 Reported: 01/14/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/12/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 51 1' (H260186-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2026	ND	1.88	93.8	2.00	0.214		
Toluene*	<0.050	0.050	01/13/2026	ND	1.96	98.2	2.00	0.989		
Ethylbenzene*	<0.050	0.050	01/13/2026	ND	1.99	99.7	2.00	0.947		
Total Xylenes*	<0.150	0.150	01/13/2026	ND	5.93	98.9	6.00	0.872		
Total BTX	<0.300	0.300	01/13/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/14/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	201	101	200	15.0	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	233	117	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 77.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.4 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/13/2026
 Reported: 01/14/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/12/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 52 1' (H260186-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2026	ND	1.88	93.8	2.00	0.214		
Toluene*	<0.050	0.050	01/13/2026	ND	1.96	98.2	2.00	0.989		
Ethylbenzene*	<0.050	0.050	01/13/2026	ND	1.99	99.7	2.00	0.947		
Total Xylenes*	<0.150	0.150	01/13/2026	ND	5.93	98.9	6.00	0.872		
Total BTEX	<0.300	0.300	01/13/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	01/14/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	201	101	200	15.0	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	233	117	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 68.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 68.8 % 39.9-141

Cardinal Laboratories

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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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/13/2026
 Reported: 01/14/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/12/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 54 1' (H260186-07)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2026	ND	1.88	93.8	2.00	0.214	
Toluene*	<0.050	0.050	01/13/2026	ND	1.96	98.2	2.00	0.989	
Ethylbenzene*	<0.050	0.050	01/13/2026	ND	1.99	99.7	2.00	0.947	
Total Xylenes*	<0.150	0.150	01/13/2026	ND	5.93	98.9	6.00	0.872	
Total BTEX	<0.300	0.300	01/13/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/14/2026	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2026	ND	201	101	200	15.0	
DRO >C10-C28*	<10.0	10.0	01/14/2026	ND	233	117	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	01/14/2026	ND					

Surrogate: 1-Chlorooctane 71.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

January 14, 2026

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 01/13/26 14:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/13/2026
 Reported: 01/14/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/12/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BF 01 (H260188-01)

BTEx 8021B			mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/14/2026	ND	1.88	93.8	2.00	0.214		
Toluene*	<0.050	0.050	01/14/2026	ND	1.96	98.2	2.00	0.989		
Ethylbenzene*	<0.050	0.050	01/14/2026	ND	1.99	99.7	2.00	0.947		
Total Xylenes*	<0.150	0.150	01/14/2026	ND	5.93	98.9	6.00	0.872		
Total BTEX	<0.300	0.300	01/14/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	256	16.0	01/14/2026	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2026	ND	193	96.6	200	2.31	
DRO >C10-C28*	<10.0	10.0	01/14/2026	ND	203	101	200	0.867	
EXT DRO >C28-C36	<10.0	10.0	01/14/2026	ND					

Surrogate: 1-Chlorooctane 98.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

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

[illegible]



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

January 19, 2026

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 01/15/26 12:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/15/2026	Sampling Date:	01/13/2026
Reported:	01/19/2026	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: FS 53 2 (H260241-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2026	ND	2.17	108	2.00	4.19	
Toluene*	<0.050	0.050	01/16/2026	ND	2.19	109	2.00	3.73	
Ethylbenzene*	<0.050	0.050	01/16/2026	ND	2.41	120	2.00	6.17	
Total Xylenes*	<0.150	0.150	01/16/2026	ND	7.60	127	6.00	5.81	
Total BTX	<0.300	0.300	01/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/16/2026	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2026	ND	179	89.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/16/2026	ND	194	97.1	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	01/16/2026	ND					

Surrogate: 1-Chlorooctane 77.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.3 % 39.9-141

Cardinal Laboratories

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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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/15/2026
 Reported: 01/19/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/13/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 55 2 (H260241-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2026	ND	2.17	108	2.00	4.19	
Toluene*	<0.050	0.050	01/16/2026	ND	2.19	109	2.00	3.73	
Ethylbenzene*	<0.050	0.050	01/16/2026	ND	2.41	120	2.00	6.17	
Total Xylenes*	<0.150	0.150	01/16/2026	ND	7.60	127	6.00	5.81	
Total BTX	<0.300	0.300	01/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/16/2026	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2026	ND	179	89.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/16/2026	ND	194	97.1	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	01/16/2026	ND					

Surrogate: 1-Chlorooctane 85.4 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/15/2026
 Reported: 01/19/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/13/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 56 1 (H260241-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2026	ND	2.17	108	2.00	4.19	
Toluene*	<0.050	0.050	01/16/2026	ND	2.19	109	2.00	3.73	
Ethylbenzene*	<0.050	0.050	01/16/2026	ND	2.41	120	2.00	6.17	
Total Xylenes*	<0.150	0.150	01/16/2026	ND	7.60	127	6.00	5.81	
Total BTEX	<0.300	0.300	01/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/16/2026	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2026	ND	179	89.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/16/2026	ND	194	97.1	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	01/16/2026	ND					

Surrogate: 1-Chlorooctane 71.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/15/2026
 Reported: 01/19/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/13/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 57 1 (H260241-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2026	ND	2.17	108	2.00	4.19		
Toluene*	<0.050	0.050	01/16/2026	ND	2.19	109	2.00	3.73		
Ethylbenzene*	<0.050	0.050	01/16/2026	ND	2.41	120	2.00	6.17		
Total Xylenes*	<0.150	0.150	01/16/2026	ND	7.60	127	6.00	5.81		
Total BTX	<0.300	0.300	01/16/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	240	16.0	01/16/2026	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2026	ND	179	89.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/16/2026	ND	194	97.1	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	01/16/2026	ND					

Surrogate: 1-Chlorooctane 81.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.2 % 39.9-141

Cardinal Laboratories

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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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/15/2026
 Reported: 01/19/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/13/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 58 2 (H260241-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2026	ND	2.17	108	2.00	4.19	
Toluene*	<0.050	0.050	01/16/2026	ND	2.19	109	2.00	3.73	
Ethylbenzene*	<0.050	0.050	01/16/2026	ND	2.41	120	2.00	6.17	
Total Xylenes*	<0.150	0.150	01/16/2026	ND	7.60	127	6.00	5.81	
Total BTEX	<0.300	0.300	01/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	64.0	16.0	01/16/2026	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2026	ND	179	89.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/16/2026	ND	194	97.1	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	01/16/2026	ND					

Surrogate: 1-Chlorooctane 74.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.4 % 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, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/15/2026
 Reported: 01/19/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/13/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 59 1 (H260241-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2026	ND	2.17	108	2.00	4.19		
Toluene*	<0.050	0.050	01/16/2026	ND	2.19	109	2.00	3.73		
Ethylbenzene*	<0.050	0.050	01/16/2026	ND	2.41	120	2.00	6.17		
Total Xylenes*	<0.150	0.150	01/16/2026	ND	7.60	127	6.00	5.81		
Total BTEx	<0.300	0.300	01/16/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	528	16.0	01/16/2026	ND	480	120	400	6.90		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2026	ND	179	89.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/16/2026	ND	194	97.1	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	01/16/2026	ND					

Surrogate: 1-Chlorooctane 88.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/15/2026
 Reported: 01/19/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/13/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 60 3 (H260241-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2026	ND	2.17	108	2.00	4.19		
Toluene*	<0.050	0.050	01/16/2026	ND	2.19	109	2.00	3.73		
Ethylbenzene*	<0.050	0.050	01/16/2026	ND	2.41	120	2.00	6.17		
Total Xylenes*	<0.150	0.150	01/16/2026	ND	7.60	127	6.00	5.81		
Total BTEX	<0.300	0.300	01/16/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	128	16.0	01/16/2026	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2026	ND	179	89.7	200	1.90	
DRO >C10-C28*	31.1	10.0	01/16/2026	ND	194	97.1	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	01/16/2026	ND					

Surrogate: 1-Chlorooctane 76.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/15/2026
 Reported: 01/19/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/13/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 61 3 (H260241-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2026	ND	2.17	108	2.00	4.19	
Toluene*	<0.050	0.050	01/16/2026	ND	2.19	109	2.00	3.73	
Ethylbenzene*	<0.050	0.050	01/16/2026	ND	2.41	120	2.00	6.17	
Total Xylenes*	<0.150	0.150	01/16/2026	ND	7.60	127	6.00	5.81	
Total BTEX	<0.300	0.300	01/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	96.0	16.0	01/16/2026	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2026	ND	179	89.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/16/2026	ND	194	97.1	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	01/16/2026	ND					

Surrogate: 1-Chlorooctane 82.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/15/2026
 Reported: 01/19/2026
 Project Name: HACKBERRY POND PIPELINE ROW
 Project Number: 03C1558758
 Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 01/13/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 62 3 (H260241-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2026	ND	1.89	94.4	2.00	4.90	
Toluene*	<0.050	0.050	01/17/2026	ND	1.99	99.6	2.00	4.56	
Ethylbenzene*	<0.050	0.050	01/17/2026	ND	2.00	100	2.00	4.28	
Total Xylenes*	<0.150	0.150	01/17/2026	ND	5.95	99.2	6.00	3.84	
Total BTEX	<0.300	0.300	01/17/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	432	16.0	01/16/2026	ND	480	120	400	6.90	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2026	ND	234	117	200	4.69	
DRO >C10-C28*	60.4	10.0	01/17/2026	ND	215	107	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	01/17/2026	ND					

Surrogate: 1-Chlorooctane 98.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.4 % 39.9-141

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		BILL TO										ANALYSIS REQUEST									
Project Manager: Jeremy Reich		P.O. #:																			
Address: 501 N Marienfield Street, Suite 400		Company: XTO Energy, Inc																			
City: Midland		State: TX		Zip: 79701		Attn: Dale Woodall															
Phone #: (432) 296-0627		Fax #:		Address: 3014 E Greene St																	
Project #: 03C1558758		Project Owner: XTO Energy, Inc.		City: Carlsbad																	
Project Name: Hackberry Pond Pipeline Row		- SPILLS		State: NM		Zip: 88220															
Project Location: 32.5265670, -103.9722893		Phone #:																			
Sampler Name: Trevor Wargo		Fax #:																			
FOR LAB USE ONLY		MATRIX		PRESRV		SAMPLING															

FOR LAB USE ONLY

[illegible]

*The amount of money you claim as exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the

Information on Expressions and/or of the related information of services rendered by Capital, regardless of whether such claim is based upon any of the above stated reasons or otherwise.									
Reinquinished By: <u>Werner Bluge</u>		Date: <u>1-15-90</u>		Received By: <u>ADAMS</u>		Verbal Result: ☐ Yes ☐ No Add'l Phone #: <u>0000401K</u>			
Reinquinished By: <u>Werner Bluge</u>		Date: <u>1-15-90</u>		Received By: <u>ADAMS</u>		All Results are emailed. Please provide Email address: TWargo@ensolium.com BBeill@ensolium.com, TMorrissey@ensolium.com, JReich@ensolium.com TThillard@ensolium.com, KThomason@ensolium.com, Richard_Kolzur@exxomill.com			
Reinquinished By: <u>Werner Bluge</u>		Date: <u>1-15-90</u>		Received By: <u>ADAMS</u>		REMARKS: Incident Number nAPP2527643588 Cost Center: 2084621001 GFCM: 48605000			
Delivered By: (Circle One)		Observed Temp. °C <u>8.0</u>		Sample Condition		Turnaround Time: <u>Standard</u>			
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.0</u>		Cool ☒ Yes ☐ No Intact ☐ Yes ☒ No		Thermometer ID # <u>413</u> <u>4140</u> <u>401</u> Correction Factor <u>0.58</u>			
Delivered By: (Circle One)		Observed Temp. °C <u>8.0</u>		Sample Condition		Bacteria (only) Sample Condition			
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.0</u>		Cool ☒ Yes ☐ No Intact ☐ Yes ☒ No		Corrected Temp. °C			



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

March 06, 2026

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 03/05/26 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	03/05/2026	Sampling Date:	03/04/2026
Reported:	03/06/2026	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: FS 72 (H261236-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2026	ND	1.98	99.1	2.00	2.36		
Toluene*	<0.050	0.050	03/05/2026	ND	1.81	90.7	2.00	2.31		
Ethylbenzene*	<0.050	0.050	03/05/2026	ND	1.79	89.3	2.00	2.42		
Total Xylenes*	<0.150	0.150	03/05/2026	ND	5.29	88.1	6.00	2.63		
Total BTX	<0.300	0.300	03/05/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	160	16.0	03/06/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2026	ND	202	101	200	7.57	
DRO >C10-C28*	<10.0	10.0	03/05/2026	ND	193	96.7	200	9.15	
EXT DRO >C28-C36	<10.0	10.0	03/05/2026	ND					

Surrogate: 1-Chlorooctane 82.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/05/2026
Reported: 03/06/2026
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 03/04/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 75 (H261236-02)

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	03/05/2026	ND	1.98	99.1	2.00	2.36		
Toluene*	<0.050	0.050	03/05/2026	ND	1.81	90.7	2.00	2.31		
Ethylbenzene*	<0.050	0.050	03/05/2026	ND	1.79	89.3	2.00	2.42		
Total Xylenes*	<0.150	0.150	03/05/2026	ND	5.29	88.1	6.00	2.63		
Total BTEx	<0.300	0.300	03/05/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	272	16.0	03/06/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2026	ND	202	101	200	7.57	
DRO >C10-C28*	<10.0	10.0	03/05/2026	ND	193	96.7	200	9.15	
EXT DRO >C28-C36	<10.0	10.0	03/05/2026	ND					

Surrogate: 1-Chlorooctane 71.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 09, 2026

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 03/06/26 10:35.

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 "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	03/06/2026	Sampling Date:	03/05/2026
Reported:	03/09/2026	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: FS76 1' (H261280-01)

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	03/06/2026	ND	1.99	99.7	2.00	2.93	
Toluene*	<0.050	0.050	03/06/2026	ND	2.04	102	2.00	8.40	
Ethylbenzene*	<0.050	0.050	03/06/2026	ND	2.13	107	2.00	7.80	
Total Xylenes*	<0.150	0.150	03/06/2026	ND	6.21	104	6.00	9.54	
Total BTEx	<0.300	0.300	03/06/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	80.0	16.0	03/06/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2026	ND	185	92.7	200	7.29	
DRO >C10-C28*	<10.0	10.0	03/06/2026	ND	196	98.1	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	03/06/2026	ND					

Surrogate: 1-Chlorooctane 75.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.3 % 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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/06/2026
Reported: 03/09/2026
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 03/05/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS77 1' (H261280-02)

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	03/06/2026	ND	1.99	99.7	2.00	2.93		
Toluene*	<0.050	0.050	03/06/2026	ND	2.04	102	2.00	8.40		
Ethylbenzene*	<0.050	0.050	03/06/2026	ND	2.13	107	2.00	7.80		
Total Xylenes*	<0.150	0.150	03/06/2026	ND	6.21	104	6.00	9.54		
Total BTEx	<0.300	0.300	03/06/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	304	16.0	03/06/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2026	ND	185	92.7	200	7.29	
DRO >C10-C28*	<10.0	10.0	03/06/2026	ND	196	98.1	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	03/06/2026	ND					

Surrogate: 1-Chlorooctane 83.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.3 % 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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/06/2026
Reported: 03/09/2026
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 03/05/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS78 1' (H261280-03)

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	03/06/2026	ND	1.99	99.7	2.00	2.93		
Toluene*	<0.050	0.050	03/06/2026	ND	2.04	102	2.00	8.40		
Ethylbenzene*	<0.050	0.050	03/06/2026	ND	2.13	107	2.00	7.80		
Total Xylenes*	<0.150	0.150	03/06/2026	ND	6.21	104	6.00	9.54		
Total BTEx	<0.300	0.300	03/06/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	32.0	16.0	03/06/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2026	ND	185	92.7	200	7.29	
DRO >C10-C28*	<10.0	10.0	03/06/2026	ND	196	98.1	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	03/06/2026	ND					

Surrogate: 1-Chlorooctane 73.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.1 % 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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/06/2026
Reported: 03/09/2026
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 03/05/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SW14 0-1' (H261280-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2026	ND	1.99	99.7	2.00	2.93		
Toluene*	<0.050	0.050	03/06/2026	ND	2.04	102	2.00	8.40		
Ethylbenzene*	<0.050	0.050	03/06/2026	ND	2.13	107	2.00	7.80		
Total Xylenes*	<0.150	0.150	03/06/2026	ND	6.21	104	6.00	9.54		
Total BTX	<0.300	0.300	03/06/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	48.0	16.0	03/06/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2026	ND	185	92.7	200	7.29	
DRO >C10-C28*	<10.0	10.0	03/06/2026	ND	196	98.1	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	03/06/2026	ND					

Surrogate: 1-Chlorooctane 74.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

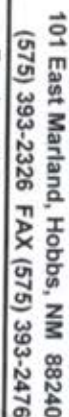
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1



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

March 11, 2026

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 03/09/26 12:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	03/09/2026	Sampling Date:	03/06/2026
Reported:	03/11/2026	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: CS 01 0.5 (H261327-01)

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	03/09/2026	ND	1.96	98.0	2.00	3.13	
Toluene*	<0.050	0.050	03/09/2026	ND	1.81	90.6	2.00	0.422	
Ethylbenzene*	<0.050	0.050	03/09/2026	ND	1.77	88.3	2.00	0.600	
Total Xylenes*	<0.150	0.150	03/09/2026	ND	5.26	87.7	6.00	1.49	
Total BTEX	<0.300	0.300	03/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	48.0	16.0	03/10/2026	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2026	ND	217	108	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/11/2026	ND	204	102	200	0.173	
EXT DRO >C28-C36	<10.0	10.0	03/11/2026	ND					

Surrogate: 1-Chlorooctane 87.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.7 % 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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	03/09/2026	Sampling Date:	03/06/2026
Reported:	03/11/2026	Sampling Type:	Soil
Project Name:	HACKBERRY POND PIPELINE ROW	Sampling Condition:	Cool & Intact
Project Number:	03C1558758	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.5265670, -103.9722893		

Sample ID: CS 02 0.5 (H261327-02)

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	03/09/2026	ND	1.96	98.0	2.00	3.13		
Toluene*	<0.050	0.050	03/09/2026	ND	1.81	90.6	2.00	0.422		
Ethylbenzene*	<0.050	0.050	03/09/2026	ND	1.77	88.3	2.00	0.600		
Total Xylenes*	<0.150	0.150	03/09/2026	ND	5.26	87.7	6.00	1.49		
Total BTEX	<0.300	0.300	03/09/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	48.0	16.0	03/10/2026	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2026	ND	217	108	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/11/2026	ND	204	102	200	0.173	
EXT DRO >C28-C36	<10.0	10.0	03/11/2026	ND					

Surrogate: 1-Chlorooctane 90.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.7 % 39.9-141

Cardinal Laboratories

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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
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/09/2026
Reported: 03/11/2026
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 03/06/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 79 2 (H261327-03)

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	03/09/2026	ND	1.96	98.0	2.00	3.13	
Toluene*	<0.050	0.050	03/09/2026	ND	1.81	90.6	2.00	0.422	
Ethylbenzene*	<0.050	0.050	03/09/2026	ND	1.77	88.3	2.00	0.600	
Total Xylenes*	<0.150	0.150	03/09/2026	ND	5.26	87.7	6.00	1.49	
Total BTEX	<0.300	0.300	03/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 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	32.0	16.0	03/10/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2026	ND	217	108	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/11/2026	ND	204	102	200	0.173	
EXT DRO >C28-C36	<10.0	10.0	03/11/2026	ND					

Surrogate: 1-Chlorooctane 86.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.6 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/09/2026
Reported: 03/11/2026
Project Name: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Location: XTO 32.5265670, -103.9722893

Sampling Date: 03/06/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 80 2 (H261327-04)

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	03/09/2026	ND	1.96	98.0	2.00	3.13		
Toluene*	<0.050	0.050	03/09/2026	ND	1.81	90.6	2.00	0.422		
Ethylbenzene*	<0.050	0.050	03/09/2026	ND	1.77	88.3	2.00	0.600		
Total Xylenes*	<0.150	0.150	03/09/2026	ND	5.26	87.7	6.00	1.49		
Total BTEx	<0.300	0.300	03/09/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	03/10/2026	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2026	ND	217	108	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/11/2026	ND	204	102	200	0.173	
EXT DRO >C28-C36	<10.0	10.0	03/11/2026	ND					

Surrogate: 1-Chlorooctane 93.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.3 % 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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

March 25, 2026

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HACKBERRY POND PIPELINE ROW

Enclosed are the results of analyses for samples received by the laboratory on 03/19/26 13:50.

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

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:Reported:
25-Mar-26 08:29**Sample ID****Laboratory ID****Matrix****Date Sampled****Date Received**

FS73A 3'

H261531-01

Soil

17-Mar-26 10:55

19-Mar-26 13:50

CASE NARRATIVE:

No labels with lot numbers on sample container for traceability.

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
25-Mar-26 08:29

FS73A 3'
H261531-01 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	6032015	AC	20-Mar-26	4500-Cl-B	

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	6032016	JH	21-Mar-26	8021B	
Toluene*	<0.050	0.050	mg/kg	50	6032016	JH	21-Mar-26	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	6032016	JH	21-Mar-26	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	6032016	JH	21-Mar-26	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	6032016	JH	21-Mar-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	115 %	70.4-141	6032016	JH	21-Mar-26	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	6031935	JF	20-Mar-26	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	6031935	JF	20-Mar-26	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	6031935	JF	20-Mar-26	8015B	

Surrogate: 1-Chlorooctane	66.3 %	52.4-130	6031935	JF	20-Mar-26	8015B	

Surrogate: 1-Chlorooctadecane	59.4 %	39.9-141	6031935	JF	20-Mar-26	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
25-Mar-26 08:29

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 6032015 - 1:4 DI Water									
Blank (6032015-BLK1)									
					Prepared & Analyzed: 20-Mar-26				
Chloride	ND	16.0	mg/kg						
LCS (6032015-BS1)									
					Prepared & Analyzed: 20-Mar-26				
Chloride	432	16.0	mg/kg	400		108	80-120		
LCS Dup (6032015-BSD1)									
					Prepared & Analyzed: 20-Mar-26				
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
25-Mar-26 08:29

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6032016 - Volatiles**Blank (6032016-BLK1)**

Prepared: 20-Mar-26 Analyzed: 21-Mar-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.116		mg/kg	0.100		116	70.4-141			

LCS (6032016-BS1)

Prepared: 20-Mar-26 Analyzed: 21-Mar-26

Benzene	2.07	0.050	mg/kg	2.00		104	71-111			
Toluene	2.28	0.050	mg/kg	2.00		114	75-116			
Ethylbenzene	2.46	0.050	mg/kg	2.00		123	74.2-119			BS-3
m,p-Xylene	4.84	0.100	mg/kg	4.00		121	72.5-123			
o-Xylene	2.61	0.050	mg/kg	2.00		131	70.5-124			BS1
Total Xylenes	7.45	0.150	mg/kg	6.00		124	72.2-123			BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.130		mg/kg	0.100		130	70.4-141			

LCS Dup (6032016-BSD1)

Prepared: 20-Mar-26 Analyzed: 21-Mar-26

Benzene	2.10	0.050	mg/kg	2.00		105	71-111	1.08	17.6	
Toluene	2.37	0.050	mg/kg	2.00		118	75-116	3.91	14.8	BS-3
Ethylbenzene	2.56	0.050	mg/kg	2.00		128	74.2-119	4.18	14.2	BS-3
m,p-Xylene	5.01	0.100	mg/kg	4.00		125	72.5-123	3.38	13.6	BS-3
o-Xylene	2.69	0.050	mg/kg	2.00		134	70.5-124	2.72	13.7	BS1
Total Xylenes	7.69	0.150	mg/kg	6.00		128	72.2-123	3.15	13.3	BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.126		mg/kg	0.100		126	70.4-141			

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: HACKBERRY POND PIPELINE ROW
Project Number: 03C1558758
Project Manager: JEREMY REICH
Fax To:

Reported:
25-Mar-26 08:29

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes

Batch 6031935 - General Prep - Organics**Blank (6031935-BLK1)**

Prepared: 19-Mar-26 Analyzed: 20-Mar-26

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	34.3		mg/kg	50.0		68.6	52.4-130		
Surrogate: 1-Chlorooctadecane	31.1		mg/kg	50.0		62.2	39.9-141		

LCS (6031935-BS1)

Prepared: 19-Mar-26 Analyzed: 20-Mar-26

GRO C6-C10	194	10.0	mg/kg	200		96.9	78.7-123		
DRO >C10-C28	206	10.0	mg/kg	200		103	74.8-123		
Total TPH C6-C28	400	10.0	mg/kg	400		100	78.6-121		
Surrogate: 1-Chlorooctane	40.2		mg/kg	50.0		80.4	52.4-130		
Surrogate: 1-Chlorooctadecane	35.9		mg/kg	50.0		71.7	39.9-141		

LCS Dup (6031935-BS1)

Prepared: 19-Mar-26 Analyzed: 20-Mar-26

GRO C6-C10	194	10.0	mg/kg	200		97.2	78.7-123	0.319	11.3
DRO >C10-C28	206	10.0	mg/kg	200		103	74.8-123	0.448	10.9
Total TPH C6-C28	400	10.0	mg/kg	400		100	78.6-121	0.0759	10.5
Surrogate: 1-Chlorooctane	41.1		mg/kg	50.0		82.2	52.4-130		
Surrogate: 1-Chlorooctadecane	37.0		mg/kg	50.0		73.9	39.9-141		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R 3.2 10/07/21



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 10/20/2025 1:38:39 PM

JOB DESCRIPTION

Hackberry Pond

03C1558758

JOB NUMBER

890-8968-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
10/20/2025 1:38:39 PM

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

Client: Ensolum
Project/Site: Hackberry Pond

Laboratory Job ID: 890-8968-1
SDG: 03C1558758

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Definitions/Glossary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: Hackberry Pond

Job ID: 890-8968-1

Job ID: 890-8968-1

Eurofins Carlsbad

Job Narrative
890-8968-1

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 10/17/2025 4:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH01 (890-8968-1), BH01 (890-8968-2), BH02 (890-8968-3), BH02 (890-8968-4), BH03 (890-8968-5), BH03 (890-8968-6), BH04 (890-8968-7), BH04 (890-8968-8), BH05 (890-8968-9) and BH05 (890-8968-10).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-121518 and analytical batch 880-121504 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 8021B: The surrogate recovery for the blank associated with preparation batch 880-121518 and analytical batch 880-121504 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-121518/1-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.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH01 (890-8968-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-121513/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-121509 and analytical batch 880-121532 contained Gasoline Range Organics (GRO)-C6-C10, Oil Range Organics (Over C28-C36) and Total TPH above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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 880-121508 and analytical batch 880-121510 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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Case Narrative

Client: Ensolum
Project: Hackberry Pond

Job ID: 890-8968-1

Job ID: 890-8968-1 (Continued) **Eurofins Carlsbad**

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH01

Lab Sample ID: 890-8968-1

Date Collected: 10/17/25 08:55

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/19/25 19:21	10/20/25 11:50	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/19/25 19:21	10/20/25 11:50	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/19/25 19:21	10/20/25 11:50	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		10/19/25 19:21	10/20/25 11:50	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/19/25 19:21	10/20/25 11:50	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		10/19/25 19:21	10/20/25 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/19/25 19:21	10/20/25 11:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/19/25 19:21	10/20/25 11:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			10/20/25 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.5	J	49.9	15.1	mg/Kg			10/20/25 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.5	J B	49.9	14.5	mg/Kg		10/20/25 08:36	10/20/25 10:37	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		10/20/25 08:36	10/20/25 10:37	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		10/20/25 08:36	10/20/25 10:37	1
Total TPH	18.5	J B	49.9	15.1	mg/Kg		10/20/25 08:36	10/20/25 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	10/20/25 08:36	10/20/25 10:37	1
o-Terphenyl	77		70 - 130	10/20/25 08:36	10/20/25 10:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5030	F1	50.5	1.99	mg/Kg			10/20/25 09:34	5

Client Sample ID: BH01

Lab Sample ID: 890-8968-2

Date Collected: 10/17/25 09:20

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		10/19/25 19:21	10/20/25 12:10	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		10/19/25 19:21	10/20/25 12:10	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		10/19/25 19:21	10/20/25 12:10	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		10/19/25 19:21	10/20/25 12:10	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		10/19/25 19:21	10/20/25 12:10	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		10/19/25 19:21	10/20/25 12:10	1

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH01

Lab Sample ID: 890-8968-2

Date Collected: 10/17/25 09:20

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/19/25 19:21	10/20/25 12:10	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/19/25 19:21	10/20/25 12:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			10/20/25 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.8	J	50.1	15.1	mg/Kg			10/20/25 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.8	J B	50.1	14.5	mg/Kg		10/20/25 08:36	10/20/25 11:23	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		10/20/25 08:36	10/20/25 11:23	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.1	15.1	mg/Kg		10/20/25 08:36	10/20/25 11:23	1
Total TPH	20.8	J B	50.1	15.1	mg/Kg		10/20/25 08:36	10/20/25 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	10/20/25 08:36	10/20/25 11:23	1
o-Terphenyl	91		70 - 130	10/20/25 08:36	10/20/25 11:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	248		9.98	0.394	mg/Kg			10/20/25 09:50	1

Client Sample ID: BH02

Lab Sample ID: 890-8968-3

Date Collected: 10/17/25 09:35

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		10/19/25 19:21	10/20/25 12:31	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		10/19/25 19:21	10/20/25 12:31	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		10/19/25 19:21	10/20/25 12:31	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		10/19/25 19:21	10/20/25 12:31	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		10/19/25 19:21	10/20/25 12:31	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		10/19/25 19:21	10/20/25 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/19/25 19:21	10/20/25 12:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/19/25 19:21	10/20/25 12:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			10/20/25 12:31	1

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH02

Lab Sample ID: 890-8968-3

Date Collected: 10/17/25 09:35

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.0	J	49.8	15.1	mg/Kg			10/20/25 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.0	J B	49.8	14.5	mg/Kg		10/20/25 08:36	10/20/25 11:37	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		10/20/25 08:36	10/20/25 11:37	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		10/20/25 08:36	10/20/25 11:37	1
Total TPH	20.0	J B	49.8	15.1	mg/Kg		10/20/25 08:36	10/20/25 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				10/20/25 08:36	10/20/25 11:37	1
o-Terphenyl	93		70 - 130				10/20/25 08:36	10/20/25 11:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5290		50.5	1.99	mg/Kg			10/20/25 09:55	5

Client Sample ID: BH02

Lab Sample ID: 890-8968-4

Date Collected: 10/17/25 09:45

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		10/19/25 19:21	10/20/25 12:51	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		10/19/25 19:21	10/20/25 12:51	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		10/19/25 19:21	10/20/25 12:51	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		10/19/25 19:21	10/20/25 12:51	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		10/19/25 19:21	10/20/25 12:51	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		10/19/25 19:21	10/20/25 12:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/19/25 19:21	10/20/25 12:51	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/19/25 19:21	10/20/25 12:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			10/20/25 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.1	J	49.6	15.0	mg/Kg			10/20/25 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.1	J B	49.6	14.4	mg/Kg		10/20/25 08:36	10/20/25 11:52	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		10/20/25 08:36	10/20/25 11:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		10/20/25 08:36	10/20/25 11:52	1

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH02

Lab Sample ID: 890-8968-4

Date Collected: 10/17/25 09:45

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.1	J B	49.6	15.0	mg/Kg		10/20/25 08:36	10/20/25 11:52	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1-Chlorooctane	75		70 - 130				10/20/25 08:36	10/20/25 11:52	1
o-Terphenyl	86		70 - 130				10/20/25 08:36	10/20/25 11:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		50.3	1.99	mg/Kg			10/20/25 10:00	5

Client Sample ID: BH03

Lab Sample ID: 890-8968-5

Date Collected: 10/17/25 10:40

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/19/25 19:21	10/20/25 13:12	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/19/25 19:21	10/20/25 13:12	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/19/25 19:21	10/20/25 13:12	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		10/19/25 19:21	10/20/25 13:12	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/19/25 19:21	10/20/25 13:12	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		10/19/25 19:21	10/20/25 13:12	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	102		70 - 130				10/19/25 19:21	10/20/25 13:12	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/19/25 19:21	10/20/25 13:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			10/20/25 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.4	J	50.0	15.1	mg/Kg			10/20/25 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.4	J B	50.0	14.5	mg/Kg		10/20/25 08:36	10/20/25 12:07	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:36	10/20/25 12:07	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:36	10/20/25 12:07	1
Total TPH	20.4	J B	50.0	15.1	mg/Kg		10/20/25 08:36	10/20/25 12:07	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1-Chlorooctane	80		70 - 130				10/20/25 08:36	10/20/25 12:07	1
o-Terphenyl	90		70 - 130				10/20/25 08:36	10/20/25 12:07	1

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH03

Lab Sample ID: 890-8968-5

Date Collected: 10/17/25 10:40

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		9.90	0.391	mg/Kg			10/20/25 10:05	1

Client Sample ID: BH03

Lab Sample ID: 890-8968-6

Date Collected: 10/17/25 10:50

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U ** *1	0.00200	0.00139	mg/Kg		10/20/25 09:05	10/20/25 11:55	1
Toluene	<0.00200	U *1	0.00200	0.00200	mg/Kg		10/20/25 09:05	10/20/25 11:55	1
Ethylbenzene	<0.00109	U *1	0.00200	0.00109	mg/Kg		10/20/25 09:05	10/20/25 11:55	1
m-Xylene & p-Xylene	<0.00228	U *1	0.00399	0.00228	mg/Kg		10/20/25 09:05	10/20/25 11:55	1
o-Xylene	<0.00158	U *1	0.00200	0.00158	mg/Kg		10/20/25 09:05	10/20/25 11:55	1
Xylenes, Total	<0.00228	U *1	0.00399	0.00228	mg/Kg		10/20/25 09:05	10/20/25 11:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/20/25 09:05	10/20/25 11:55	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/20/25 09:05	10/20/25 11:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			10/20/25 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			10/20/25 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		10/20/25 08:42	10/20/25 10:37	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		10/20/25 08:42	10/20/25 10:37	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		10/20/25 08:42	10/20/25 10:37	1
Total TPH	<15.1	U	49.9	15.1	mg/Kg		10/20/25 08:42	10/20/25 10:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/20/25 08:42	10/20/25 10:37	1
o-Terphenyl	103		70 - 130				10/20/25 08:42	10/20/25 10:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	518		10.0	0.396	mg/Kg			10/20/25 10:21	1

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH04

Lab Sample ID: 890-8968-7

Date Collected: 10/17/25 12:00

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U ** *1	0.00201	0.00140	mg/Kg		10/20/25 09:05	10/20/25 12:15	1
Toluene	<0.00201	U *1	0.00201	0.00201	mg/Kg		10/20/25 09:05	10/20/25 12:15	1
Ethylbenzene	<0.00109	U *1	0.00201	0.00109	mg/Kg		10/20/25 09:05	10/20/25 12:15	1
m-Xylene & p-Xylene	<0.00229	U *1	0.00402	0.00229	mg/Kg		10/20/25 09:05	10/20/25 12:15	1
o-Xylene	<0.00159	U *1	0.00201	0.00159	mg/Kg		10/20/25 09:05	10/20/25 12:15	1
Xylenes, Total	<0.00229	U *1	0.00402	0.00229	mg/Kg		10/20/25 09:05	10/20/25 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/20/25 09:05	10/20/25 12:15	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/20/25 09:05	10/20/25 12:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			10/20/25 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.1	15.1	mg/Kg			10/20/25 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.1	14.5	mg/Kg		10/20/25 08:42	10/20/25 11:23	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		10/20/25 08:42	10/20/25 11:23	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.1	15.1	mg/Kg		10/20/25 08:42	10/20/25 11:23	1
Total TPH	<15.1	U	50.1	15.1	mg/Kg		10/20/25 08:42	10/20/25 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	10/20/25 08:42	10/20/25 11:23	1
o-Terphenyl	115		70 - 130	10/20/25 08:42	10/20/25 11:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	999		9.98	0.394	mg/Kg			10/20/25 10:26	1

Client Sample ID: BH04

Lab Sample ID: 890-8968-8

Date Collected: 10/17/25 12:05

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U ** *1	0.00201	0.00140	mg/Kg		10/20/25 09:05	10/20/25 12:36	1
Toluene	<0.00201	U *1	0.00201	0.00201	mg/Kg		10/20/25 09:05	10/20/25 12:36	1
Ethylbenzene	<0.00109	U *1	0.00201	0.00109	mg/Kg		10/20/25 09:05	10/20/25 12:36	1
m-Xylene & p-Xylene	<0.00229	U *1	0.00402	0.00229	mg/Kg		10/20/25 09:05	10/20/25 12:36	1
o-Xylene	<0.00159	U *1	0.00201	0.00159	mg/Kg		10/20/25 09:05	10/20/25 12:36	1
Xylenes, Total	<0.00229	U *1	0.00402	0.00229	mg/Kg		10/20/25 09:05	10/20/25 12:36	1

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH04

Lab Sample ID: 890-8968-8

Date Collected: 10/17/25 12:05

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/20/25 09:05	10/20/25 12:36	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/20/25 09:05	10/20/25 12:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			10/20/25 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			10/20/25 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.6	14.4	mg/Kg		10/20/25 08:42	10/20/25 11:37	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		10/20/25 08:42	10/20/25 11:37	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		10/20/25 08:42	10/20/25 11:37	1
Total TPH	<15.0	U	49.6	15.0	mg/Kg		10/20/25 08:42	10/20/25 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	10/20/25 08:42	10/20/25 11:37	1
o-Terphenyl	105		70 - 130	10/20/25 08:42	10/20/25 11:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173		10.1	0.399	mg/Kg			10/20/25 10:32	1

Client Sample ID: BH05

Lab Sample ID: 890-8968-9

Date Collected: 10/17/25 12:30

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U *+ *1	0.00199	0.00138	mg/Kg		10/20/25 09:05	10/20/25 12:56	1
Toluene	<0.00199	U *1	0.00199	0.00199	mg/Kg		10/20/25 09:05	10/20/25 12:56	1
Ethylbenzene	<0.00108	U *1	0.00199	0.00108	mg/Kg		10/20/25 09:05	10/20/25 12:56	1
m-Xylene & p-Xylene	<0.00227	U *1	0.00398	0.00227	mg/Kg		10/20/25 09:05	10/20/25 12:56	1
o-Xylene	<0.00157	U *1	0.00199	0.00157	mg/Kg		10/20/25 09:05	10/20/25 12:56	1
Xylenes, Total	<0.00227	U *1	0.00398	0.00227	mg/Kg		10/20/25 09:05	10/20/25 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/20/25 09:05	10/20/25 12:56	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/20/25 09:05	10/20/25 12:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			10/20/25 12:56	1

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH05

Lab Sample ID: 890-8968-9

Date Collected: 10/17/25 12:30

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			10/20/25 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		10/20/25 08:42	10/20/25 11:52	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:42	10/20/25 11:52	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:42	10/20/25 11:52	1
Total TPH	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:42	10/20/25 11:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				10/20/25 08:42	10/20/25 11:52	1
o-Terphenyl	108		70 - 130				10/20/25 08:42	10/20/25 11:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	905		10.1	0.397	mg/Kg			10/20/25 10:37	1

Client Sample ID: BH05

Lab Sample ID: 890-8968-10

Date Collected: 10/17/25 13:15

Matrix: Solid

Date Received: 10/17/25 16:13

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U ** *1	0.00200	0.00139	mg/Kg		10/20/25 09:05	10/20/25 13:17	1
Toluene	<0.00200	U *1	0.00200	0.00200	mg/Kg		10/20/25 09:05	10/20/25 13:17	1
Ethylbenzene	<0.00109	U *1	0.00200	0.00109	mg/Kg		10/20/25 09:05	10/20/25 13:17	1
m-Xylene & p-Xylene	<0.00228	U *1	0.00399	0.00228	mg/Kg		10/20/25 09:05	10/20/25 13:17	1
o-Xylene	<0.00158	U *1	0.00200	0.00158	mg/Kg		10/20/25 09:05	10/20/25 13:17	1
Xylenes, Total	<0.00228	U *1	0.00399	0.00228	mg/Kg		10/20/25 09:05	10/20/25 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/20/25 09:05	10/20/25 13:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/20/25 09:05	10/20/25 13:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			10/20/25 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			10/20/25 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		10/20/25 08:42	10/20/25 12:07	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		10/20/25 08:42	10/20/25 12:07	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		10/20/25 08:42	10/20/25 12:07	1

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Client Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH05
Date Collected: 10/17/25 13:15
Date Received: 10/17/25 16:13
Sample Depth: 1

Lab Sample ID: 890-8968-10
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg		10/20/25 08:42	10/20/25 12:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/20/25 08:42	10/20/25 12:07	1
o-Terphenyl	107		70 - 130				10/20/25 08:42	10/20/25 12:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	808		9.90	0.391	mg/Kg			10/20/25 10:42	1

Surrogate Summary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8968-1	BH01	101	100
890-8968-1 MS	BH01	102	105
890-8968-1 MSD	BH01	98	105
890-8968-2	BH01	105	99
890-8968-3	BH02	106	97
890-8968-4	BH02	105	98
890-8968-5	BH03	102	99
890-8968-6	BH03	111	105
890-8968-6 MS	BH03	112	101
890-8968-6 MSD	BH03	110	102
890-8968-7	BH04	111	105
890-8968-8	BH04	114	104
890-8968-9	BH05	110	103
890-8968-10	BH05	111	103
LCS 880-121502/1-A	Lab Control Sample	103	107
LCS 880-121518/1-A	Lab Control Sample	73	69 S1-
LCSD 880-121502/2-A	Lab Control Sample Dup	107	106
LCSD 880-121518/2-A	Lab Control Sample Dup	111	104
MB 880-121502/5-A	Method Blank	105	96
MB 880-121518/5-A	Method Blank	150 S1+	98
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8968-1	BH01	67 S1-	77
890-8968-1 MS	BH01	80	80
890-8968-1 MSD	BH01	81	83
890-8968-2	BH01	82	91
890-8968-3	BH02	81	93
890-8968-4	BH02	75	86
890-8968-5	BH03	80	90
890-8968-6	BH03	96	103
890-8968-6 MS	BH03	104	128
890-8968-6 MSD	BH03	91	107
890-8968-7	BH04	102	115
890-8968-8	BH04	98	105
890-8968-9	BH05	99	108
890-8968-10	BH05	98	107
LCS 880-121509/2-A	Lab Control Sample	87	84
LCS 880-121513/2-A	Lab Control Sample	101	118
LCSD 880-121509/3-A	Lab Control Sample Dup	71	85
LCSD 880-121513/3-A	Lab Control Sample Dup	101	119
MB 880-121509/1-A	Method Blank	80	88

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Surrogate Summary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-121513/1-A	Method Blank	69 S1-	75
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-121502/5-A
Matrix: Solid
Analysis Batch: 121506

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/19/25 19:21	10/20/25 11:28	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/19/25 19:21	10/20/25 11:28	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/19/25 19:21	10/20/25 11:28	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		10/19/25 19:21	10/20/25 11:28	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/19/25 19:21	10/20/25 11:28	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		10/19/25 19:21	10/20/25 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/19/25 19:21	10/20/25 11:28	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/19/25 19:21	10/20/25 11:28	1

Lab Sample ID: LCS 880-121502/1-A
Matrix: Solid
Analysis Batch: 121506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1121		mg/Kg		112	70 - 130
Toluene	0.100	0.09948		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1014		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2116		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-121502/2-A
Matrix: Solid
Analysis Batch: 121506

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121502

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1168		mg/Kg		117	70 - 130	4	35
Toluene	0.100	0.1034		mg/Kg		103	70 - 130	4	35
Ethylbenzene	0.100	0.1054		mg/Kg		105	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2185		mg/Kg		109	70 - 130	3	35
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-8968-1 MS
Matrix: Solid
Analysis Batch: 121506

Client Sample ID: BH01
Prep Type: Total/NA
Prep Batch: 121502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.1002		mg/Kg		100	70 - 130
Toluene	<0.00200	U	0.100	0.08836		mg/Kg		88	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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

Lab Sample ID: 890-8968-1 MS

Matrix: Solid

Analysis Batch: 121506

Client Sample ID: BH01

Prep Type: Total/NA

Prep Batch: 121502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00109	U	0.100	0.08800		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1815		mg/Kg		91	70 - 130
o-Xylene	<0.00158	U	0.100	0.08804		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	102		70 - 130						
1,4-Difluorobenzene (Surr)	105		70 - 130						

Lab Sample ID: 890-8968-1 MSD

Matrix: Solid

Analysis Batch: 121506

Client Sample ID: BH01

Prep Type: Total/NA

Prep Batch: 121502

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.1078		mg/Kg		108	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.09081		mg/Kg		91	70 - 130	3	35
Ethylbenzene	<0.00109	U	0.100	0.08917		mg/Kg		89	70 - 130	1	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1847		mg/Kg		92	70 - 130	2	35
o-Xylene	<0.00158	U	0.100	0.08831		mg/Kg		88	70 - 130	0	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	98		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

Lab Sample ID: MB 880-121518/5-A

Matrix: Solid

Analysis Batch: 121504

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/20/25 09:05	10/20/25 11:33	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/20/25 09:05	10/20/25 11:33	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/20/25 09:05	10/20/25 11:33	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		10/20/25 09:05	10/20/25 11:33	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/20/25 09:05	10/20/25 11:33	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		10/20/25 09:05	10/20/25 11:33	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				10/20/25 09:05	10/20/25 11:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/20/25 09:05	10/20/25 11:33	1

Lab Sample ID: LCS 880-121518/1-A

Matrix: Solid

Analysis Batch: 121504

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08580		mg/Kg		86	70 - 130
Toluene	0.100	0.07010		mg/Kg		70	70 - 130
Ethylbenzene	0.100	0.07240		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	0.200	0.1496		mg/Kg		75	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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

Lab Sample ID: LCS 880-121518/1-A

Matrix: Solid

Analysis Batch: 121504

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.07467		mg/Kg		75	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	73		70 - 130				
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				

Lab Sample ID: LCSD 880-121518/2-A

Matrix: Solid

Analysis Batch: 121504

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121518

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1345	*+ *1	mg/Kg		135	70 - 130	44	35
Toluene	0.100	0.1077	*1	mg/Kg		108	70 - 130	42	35
Ethylbenzene	0.100	0.1120	*1	mg/Kg		112	70 - 130	43	35
m-Xylene & p-Xylene	0.200	0.2296	*1	mg/Kg		115	70 - 130	42	35
o-Xylene	0.100	0.1145	*1	mg/Kg		114	70 - 130	42	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	111		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

Lab Sample ID: 890-8968-6 MS

Matrix: Solid

Analysis Batch: 121504

Client Sample ID: BH03

Prep Type: Total/NA

Prep Batch: 121518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U *+ *1	0.100	0.1203		mg/Kg		120	70 - 130
Toluene	<0.00200	U *1	0.100	0.09814		mg/Kg		98	70 - 130
Ethylbenzene	<0.00109	U *1	0.100	0.09917		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00228	U *1	0.200	0.2035		mg/Kg		102	70 - 130
o-Xylene	<0.00158	U *1	0.100	0.09989		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 890-8968-6 MSD

Matrix: Solid

Analysis Batch: 121504

Client Sample ID: BH03

Prep Type: Total/NA

Prep Batch: 121518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00139	U *+ *1	0.100	0.1248		mg/Kg		125	70 - 130	4	35
Toluene	<0.00200	U *1	0.100	0.09935		mg/Kg		99	70 - 130	1	35
Ethylbenzene	<0.00109	U *1	0.100	0.09961		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	<0.00228	U *1	0.200	0.2042		mg/Kg		102	70 - 130	0	35
o-Xylene	<0.00158	U *1	0.100	0.1005		mg/Kg		101	70 - 130	1	35

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QC Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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

Lab Sample ID: 890-8968-6 MSD
Matrix: Solid
Analysis Batch: 121504

Client Sample ID: BH03
Prep Type: Total/NA
Prep Batch: 121518

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-121509/1-A
Matrix: Solid
Analysis Batch: 121532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121509

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	24.88	J	50.0	14.5	mg/Kg		10/20/25 08:36	10/20/25 08:33	1	
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:36	10/20/25 08:33	1	
Oil Range Organics (Over C28-C36)	21.68	J	50.0	15.1	mg/Kg		10/20/25 08:36	10/20/25 08:33	1	
Total TPH	46.56	J	50.0	15.1	mg/Kg		10/20/25 08:36	10/20/25 08:33	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	80		70 - 130				10/20/25 08:36	10/20/25 08:33	1	
o-Terphenyl	88		70 - 130				10/20/25 08:36	10/20/25 08:33	1	

Lab Sample ID: LCS 880-121509/2-A
Matrix: Solid
Analysis Batch: 121532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121509

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	810.2		mg/Kg		81		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	787.3		mg/Kg		79		70 - 130		
Surrogate		LCS	LCS							
	%Recovery	Qualifier	Limits							
1-Chlorooctane	87		70 - 130							
o-Terphenyl	84		70 - 130							

Lab Sample ID: LCSD 880-121509/3-A
Matrix: Solid
Analysis Batch: 121532

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121509

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	790.3		mg/Kg		79		70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	831.2		mg/Kg		83		70 - 130	5	20
Surrogate		LCSD	LCSD							
	%Recovery	Qualifier	Limits							
1-Chlorooctane	71		70 - 130							
o-Terphenyl	85		70 - 130							

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QC Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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

Lab Sample ID: 890-8968-1 MS

Matrix: Solid

Analysis Batch: 121532

Client Sample ID: BH01

Prep Type: Total/NA

Prep Batch: 121509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	18.5	J B	999	747.4		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	999	738.3		mg/Kg		74	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	80		70 - 130						
o-Terphenyl	80		70 - 130						

Lab Sample ID: 890-8968-1 MSD

Matrix: Solid

Analysis Batch: 121532

Client Sample ID: BH01

Prep Type: Total/NA

Prep Batch: 121509

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	18.5	J B	999	756.6		mg/Kg		74	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<15.1	U	999	768.6		mg/Kg		77	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	81		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: MB 880-121513/1-A

Matrix: Solid

Analysis Batch: 121534

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		10/20/25 08:42	10/20/25 08:33	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:42	10/20/25 08:33	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:42	10/20/25 08:33	1
Total TPH	<15.1	U	50.0	15.1	mg/Kg		10/20/25 08:42	10/20/25 08:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				10/20/25 08:42	10/20/25 08:33	1
o-Terphenyl	75		70 - 130				10/20/25 08:42	10/20/25 08:33	1

Lab Sample ID: LCS 880-121513/2-A

Matrix: Solid

Analysis Batch: 121534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121513

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	856.0		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	830.8		mg/Kg		83	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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

Lab Sample ID: LCS 880-121513/2-A

Matrix: Solid

Analysis Batch: 121534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121513

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-121513/3-A

Matrix: Solid

Analysis Batch: 121534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121513

	LCS	LCS							%Rec		RPD	
Analyte	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit				
Gasoline Range Organics (GRO)-C6-C10	854.0		mg/Kg		85	70 - 130	0	20				
Diesel Range Organics (Over C10-C28)	834.9		mg/Kg		83	70 - 130	0	20				

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 890-8968-6 MS

Matrix: Solid

Analysis Batch: 121534

Client Sample ID: BH03

Prep Type: Total/NA

Prep Batch: 121513

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	907.6		mg/Kg		91	70 - 130			
Diesel Range Organics (Over C10-C28)	<15.1	U	999	910.2		mg/Kg		91	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 890-8968-6 MSD

Matrix: Solid

Analysis Batch: 121534

Client Sample ID: BH03

Prep Type: Total/NA

Prep Batch: 121513

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	795.8		mg/Kg		80	70 - 130	13	20	
Diesel Range Organics (Over C10-C28)	<15.1	U	999	783.1		mg/Kg		78	70 - 130	15	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	107		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-121508/1-A

Matrix: Solid

Analysis Batch: 121510

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			10/20/25 09:06	1

Lab Sample ID: LCS 880-121508/2-A

Matrix: Solid

Analysis Batch: 121510

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-121508/3-A

Matrix: Solid

Analysis Batch: 121510

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	248.1		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-8968-1 MS

Matrix: Solid

Analysis Batch: 121510

Client Sample ID: BH01

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5030	F1	1260	6146	F1	mg/Kg		88	90 - 110

Lab Sample ID: 890-8968-1 MSD

Matrix: Solid

Analysis Batch: 121510

Client Sample ID: BH01

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5030	F1	1260	6183		mg/Kg		91	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

GC VOA

Prep Batch: 121502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-1	BH01	Total/NA	Solid	5035	
890-8968-2	BH01	Total/NA	Solid	5035	
890-8968-3	BH02	Total/NA	Solid	5035	
890-8968-4	BH02	Total/NA	Solid	5035	
890-8968-5	BH03	Total/NA	Solid	5035	
MB 880-121502/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-121502/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-121502/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8968-1 MS	BH01	Total/NA	Solid	5035	
890-8968-1 MSD	BH01	Total/NA	Solid	5035	

Analysis Batch: 121504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-6	BH03	Total/NA	Solid	8021B	121518
890-8968-7	BH04	Total/NA	Solid	8021B	121518
890-8968-8	BH04	Total/NA	Solid	8021B	121518
890-8968-9	BH05	Total/NA	Solid	8021B	121518
890-8968-10	BH05	Total/NA	Solid	8021B	121518
MB 880-121518/5-A	Method Blank	Total/NA	Solid	8021B	121518
LCS 880-121518/1-A	Lab Control Sample	Total/NA	Solid	8021B	121518
LCSD 880-121518/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	121518
890-8968-6 MS	BH03	Total/NA	Solid	8021B	121518
890-8968-6 MSD	BH03	Total/NA	Solid	8021B	121518

Analysis Batch: 121506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-1	BH01	Total/NA	Solid	8021B	121502
890-8968-2	BH01	Total/NA	Solid	8021B	121502
890-8968-3	BH02	Total/NA	Solid	8021B	121502
890-8968-4	BH02	Total/NA	Solid	8021B	121502
890-8968-5	BH03	Total/NA	Solid	8021B	121502
MB 880-121502/5-A	Method Blank	Total/NA	Solid	8021B	121502
LCS 880-121502/1-A	Lab Control Sample	Total/NA	Solid	8021B	121502
LCSD 880-121502/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	121502
890-8968-1 MS	BH01	Total/NA	Solid	8021B	121502
890-8968-1 MSD	BH01	Total/NA	Solid	8021B	121502

Prep Batch: 121518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-6	BH03	Total/NA	Solid	5035	
890-8968-7	BH04	Total/NA	Solid	5035	
890-8968-8	BH04	Total/NA	Solid	5035	
890-8968-9	BH05	Total/NA	Solid	5035	
890-8968-10	BH05	Total/NA	Solid	5035	
MB 880-121518/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-121518/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-121518/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8968-6 MS	BH03	Total/NA	Solid	5035	
890-8968-6 MSD	BH03	Total/NA	Solid	5035	

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QC Association Summary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

GC VOA

Analysis Batch: 121562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-1	BH01	Total/NA	Solid	Total BTEX	
890-8968-2	BH01	Total/NA	Solid	Total BTEX	
890-8968-3	BH02	Total/NA	Solid	Total BTEX	
890-8968-4	BH02	Total/NA	Solid	Total BTEX	
890-8968-5	BH03	Total/NA	Solid	Total BTEX	
890-8968-6	BH03	Total/NA	Solid	Total BTEX	
890-8968-7	BH04	Total/NA	Solid	Total BTEX	
890-8968-8	BH04	Total/NA	Solid	Total BTEX	
890-8968-9	BH05	Total/NA	Solid	Total BTEX	
890-8968-10	BH05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 121509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-1	BH01	Total/NA	Solid	8015NM Prep	
890-8968-2	BH01	Total/NA	Solid	8015NM Prep	
890-8968-3	BH02	Total/NA	Solid	8015NM Prep	
890-8968-4	BH02	Total/NA	Solid	8015NM Prep	
890-8968-5	BH03	Total/NA	Solid	8015NM Prep	
MB 880-121509/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121509/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121509/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8968-1 MS	BH01	Total/NA	Solid	8015NM Prep	
890-8968-1 MSD	BH01	Total/NA	Solid	8015NM Prep	

Prep Batch: 121513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-6	BH03	Total/NA	Solid	8015NM Prep	
890-8968-7	BH04	Total/NA	Solid	8015NM Prep	
890-8968-8	BH04	Total/NA	Solid	8015NM Prep	
890-8968-9	BH05	Total/NA	Solid	8015NM Prep	
890-8968-10	BH05	Total/NA	Solid	8015NM Prep	
MB 880-121513/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121513/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121513/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8968-6 MS	BH03	Total/NA	Solid	8015NM Prep	
890-8968-6 MSD	BH03	Total/NA	Solid	8015NM Prep	

Analysis Batch: 121532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-1	BH01	Total/NA	Solid	8015B NM	121509
890-8968-2	BH01	Total/NA	Solid	8015B NM	121509
890-8968-3	BH02	Total/NA	Solid	8015B NM	121509
890-8968-4	BH02	Total/NA	Solid	8015B NM	121509
890-8968-5	BH03	Total/NA	Solid	8015B NM	121509
MB 880-121509/1-A	Method Blank	Total/NA	Solid	8015B NM	121509
LCS 880-121509/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121509
LCSD 880-121509/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121509
890-8968-1 MS	BH01	Total/NA	Solid	8015B NM	121509
890-8968-1 MSD	BH01	Total/NA	Solid	8015B NM	121509

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

GC Semi VOA

Analysis Batch: 121534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-6	BH03	Total/NA	Solid	8015B NM	121513
890-8968-7	BH04	Total/NA	Solid	8015B NM	121513
890-8968-8	BH04	Total/NA	Solid	8015B NM	121513
890-8968-9	BH05	Total/NA	Solid	8015B NM	121513
890-8968-10	BH05	Total/NA	Solid	8015B NM	121513
MB 880-121513/1-A	Method Blank	Total/NA	Solid	8015B NM	121513
LCS 880-121513/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121513
LCSD 880-121513/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121513
890-8968-6 MS	BH03	Total/NA	Solid	8015B NM	121513
890-8968-6 MSD	BH03	Total/NA	Solid	8015B NM	121513

Analysis Batch: 121559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-1	BH01	Total/NA	Solid	8015 NM	
890-8968-2	BH01	Total/NA	Solid	8015 NM	
890-8968-3	BH02	Total/NA	Solid	8015 NM	
890-8968-4	BH02	Total/NA	Solid	8015 NM	
890-8968-5	BH03	Total/NA	Solid	8015 NM	
890-8968-6	BH03	Total/NA	Solid	8015 NM	
890-8968-7	BH04	Total/NA	Solid	8015 NM	
890-8968-8	BH04	Total/NA	Solid	8015 NM	
890-8968-9	BH05	Total/NA	Solid	8015 NM	
890-8968-10	BH05	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 121508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-1	BH01	Soluble	Solid	DI Leach	
890-8968-2	BH01	Soluble	Solid	DI Leach	
890-8968-3	BH02	Soluble	Solid	DI Leach	
890-8968-4	BH02	Soluble	Solid	DI Leach	
890-8968-5	BH03	Soluble	Solid	DI Leach	
890-8968-6	BH03	Soluble	Solid	DI Leach	
890-8968-7	BH04	Soluble	Solid	DI Leach	
890-8968-8	BH04	Soluble	Solid	DI Leach	
890-8968-9	BH05	Soluble	Solid	DI Leach	
890-8968-10	BH05	Soluble	Solid	DI Leach	
MB 880-121508/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-121508/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-121508/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8968-1 MS	BH01	Soluble	Solid	DI Leach	
890-8968-1 MSD	BH01	Soluble	Solid	DI Leach	

Analysis Batch: 121510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-1	BH01	Soluble	Solid	300.0	121508
890-8968-2	BH01	Soluble	Solid	300.0	121508
890-8968-3	BH02	Soluble	Solid	300.0	121508
890-8968-4	BH02	Soluble	Solid	300.0	121508
890-8968-5	BH03	Soluble	Solid	300.0	121508

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

HPLC/IC (Continued)

Analysis Batch: 121510 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8968-6	BH03	Soluble	Solid	300.0	121508
890-8968-7	BH04	Soluble	Solid	300.0	121508
890-8968-8	BH04	Soluble	Solid	300.0	121508
890-8968-9	BH05	Soluble	Solid	300.0	121508
890-8968-10	BH05	Soluble	Solid	300.0	121508
MB 880-121508/1-A	Method Blank	Soluble	Solid	300.0	121508
LCS 880-121508/2-A	Lab Control Sample	Soluble	Solid	300.0	121508
LCSD 880-121508/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	121508
890-8968-1 MS	BH01	Soluble	Solid	300.0	121508
890-8968-1 MSD	BH01	Soluble	Solid	300.0	121508

Lab Chronicle

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH01
Date Collected: 10/17/25 08:55
Date Received: 10/17/25 16:13

Lab Sample ID: 890-8968-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	121502	10/19/25 19:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121506	10/20/25 11:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 11:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 10:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121509	10/20/25 08:36	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121532	10/20/25 10:37	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	121510	10/20/25 09:34	CS	EET MID

Client Sample ID: BH01
Date Collected: 10/17/25 09:20
Date Received: 10/17/25 16:13

Lab Sample ID: 890-8968-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	121502	10/19/25 19:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121506	10/20/25 12:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 12:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 11:23	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	121509	10/20/25 08:36	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121532	10/20/25 11:23	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 09:50	CS	EET MID

Client Sample ID: BH02
Date Collected: 10/17/25 09:35
Date Received: 10/17/25 16:13

Lab Sample ID: 890-8968-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	121502	10/19/25 19:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121506	10/20/25 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 12:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 11:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	121509	10/20/25 08:36	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121532	10/20/25 11:37	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	121510	10/20/25 09:55	CS	EET MID

Client Sample ID: BH02
Date Collected: 10/17/25 09:45
Date Received: 10/17/25 16:13

Lab Sample ID: 890-8968-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	121502	10/19/25 19:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121506	10/20/25 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 12:51	SA	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH02
Date Collected: 10/17/25 09:45
Date Received: 10/17/25 16:13

Lab Sample ID: 890-8968-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			121559	10/20/25 11:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	121509	10/20/25 08:36	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121532	10/20/25 11:52	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	121510	10/20/25 10:00	CS	EET MID

Client Sample ID: BH03
Date Collected: 10/17/25 10:40
Date Received: 10/17/25 16:13

Lab Sample ID: 890-8968-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	121502	10/19/25 19:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121506	10/20/25 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 13:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 12:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121509	10/20/25 08:36	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121532	10/20/25 12:07	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 10:05	CS	EET MID

Client Sample ID: BH03
Date Collected: 10/17/25 10:50
Date Received: 10/17/25 16:13

Lab Sample ID: 890-8968-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	121518	10/20/25 09:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121504	10/20/25 11:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 11:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 10:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121513	10/20/25 08:42	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121534	10/20/25 10:37	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 10:21	CS	EET MID

Client Sample ID: BH04
Date Collected: 10/17/25 12:00
Date Received: 10/17/25 16:13

Lab Sample ID: 890-8968-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	121518	10/20/25 09:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121504	10/20/25 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 12:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 11:23	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	121513	10/20/25 08:42	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121534	10/20/25 11:23	FC	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Client Sample ID: BH04

Lab Sample ID: 890-8968-7

Date Collected: 10/17/25 12:00

Matrix: Solid

Date Received: 10/17/25 16:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 10:26	CS	EET MID

Client Sample ID: BH04

Lab Sample ID: 890-8968-8

Date Collected: 10/17/25 12:05

Matrix: Solid

Date Received: 10/17/25 16:13

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	121518	10/20/25 09:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121504	10/20/25 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 12:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 11:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	121513	10/20/25 08:42	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121534	10/20/25 11:37	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 10:32	CS	EET MID

Client Sample ID: BH05

Lab Sample ID: 890-8968-9

Date Collected: 10/17/25 12:30

Matrix: Solid

Date Received: 10/17/25 16:13

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	121518	10/20/25 09:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121504	10/20/25 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 12:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 11:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121513	10/20/25 08:42	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121534	10/20/25 11:52	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 10:37	CS	EET MID

Client Sample ID: BH05

Lab Sample ID: 890-8968-10

Date Collected: 10/17/25 13:15

Matrix: Solid

Date Received: 10/17/25 16:13

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	121518	10/20/25 09:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121504	10/20/25 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121562	10/20/25 13:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			121559	10/20/25 12:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	121513	10/20/25 08:42	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121534	10/20/25 12:07	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 10:42	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

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: Hackberry Pond

Job ID: 890-8968-1
SDG: 03C1558758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8968-1	BH01	Solid	10/17/25 08:55	10/17/25 16:13	0.5
890-8968-2	BH01	Solid	10/17/25 09:20	10/17/25 16:13	2
890-8968-3	BH02	Solid	10/17/25 09:35	10/17/25 16:13	0.5
890-8968-4	BH02	Solid	10/17/25 09:45	10/17/25 16:13	1
890-8968-5	BH03	Solid	10/17/25 10:40	10/17/25 16:13	0.5
890-8968-6	BH03	Solid	10/17/25 10:50	10/17/25 16:13	1
890-8968-7	BH04	Solid	10/17/25 12:00	10/17/25 16:13	0.5
890-8968-8	BH04	Solid	10/17/25 12:05	10/17/25 16:13	1
890-8968-9	BH05	Solid	10/17/25 12:30	10/17/25 16:13	0.5
890-8968-10	BH05	Solid	10/17/25 13:15	10/17/25 16:13	1

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Environment Testing
Xenco

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

Chain of Custody



890-8968 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	~~Robert Woodall~~ Terry Reich	Bill to: (if different)	Robert Woodall
Company Name:	Ensolum	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:	989-854-0852	Email:	Kthomason.Timorrissey.Thillard.Jreich.Bpellill@ensolum.com

Program: ☒ UST/PST ☐ RP ☐ Crownfields ☐ KC ☐ perfund	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Hackberry Pond	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	03C1658758	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O	
Project Location:	32.5265670, -103.9722893	Due Date:	24hr													Cool: Cool	MeOH: Me	
Sampler's Name:	Evan roe	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:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters												H ₃ PO ₄ : HP	
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:															Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:	Yes ☒ No ☐	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	CHLORIDES	TPH	BTEX									Sample Comments
BH01		Soil	10/17/2025	855	0.5	Grab	1	✓	✓	✓									Incident ID: NAPP2527643588
BH01		Soil	10/17/2025	920	2	Grab	1	✓	✓	✓									CC: 2094621001
BH02		Soil	10/17/2025	935	0.5	Grab	1	✓	✓	✓									GFCM: 48605000
BH02		Soil	10/17/2025	945	1	Grab	1	✓	✓	✓									
BH03		Soil	10/17/2025	1040	0.5	Grab	1	✓	✓	✓									
BH03		Soil	10/17/2025	1050	1	Grab	1	✓	✓	✓									
BH04		Soil	10/17/2025	1200	0.5	Grab	1	✓	✓	✓									
BH04		Soil	10/17/2025	1205	1	Grab	1	✓	✓	✓									
BH05		Soil	10/17/2025	1230	0.5	Grab	1	✓	✓	✓									
BH05		Soil	10/17/2025	1315	1.5	Grab	1	✓	✓	✓									

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

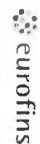
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume 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 \$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

Eurofins Carlsbad

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

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)				Lab Pmt.	Carrier Tracking No(s)	COC No.
Client Contact:	Phone:	N/A		Kramer, Jessica	N/A	890-6000.1
Shipping/Receiving	Company:	N/A		Jessica Kramer@el.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Eurofins Environment Testing South Cent		Address:		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-6968-1
City:		Due Date Requested:		Preservation Codes:		
1211 W. Florida Ave.		10/20/2025				
Midland		TAT Requested (days):		Analysis Requested		
State, Zip:		N/A				
TX, 79701						
Phone:		PO #:				
432-704-5440(Tel)		N/A				
Email:		WO #:				
N/A		N/A				
Project Name:		Project #:				
Hackberry Pond		89000235				
Site:		SSOW#:				
N/A		N/A				
Sample Identification - Client ID (Lab ID)				Field Filtered Sample (Yes or No)		
				Perform MS/MSD (Yes or No)		
				8015MOD_NM/8015NM_S_Prep(MOD) Full TPH		
				300_ORGFM_28D/DI_LEACHChloride		
				8021B/5035FP_CalcBTEX		
				Total_BTEX_GCV		
				8015MOD_Calc		
				Total Number of containers		
				Special Instructions/Note:		
BH01 (890-6968-1)				1		
BH01 (890-6968-2)				1		
BH02 (890-6968-3)				1		
BH02 (890-6968-4)				1		
BH03 (890-6968-5)				1		
BH03 (890-6968-6)				1		
BH04 (890-6968-7)				1		
BH04 (890-6968-8)				1		
BH05 (890-6968-9)				1		

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8968-1

SDG Number: 03C1558758

Login Number: 8968

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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8968-1

SDG Number: 03C1558758

Login Number: 8968

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 10/20/25 09:23 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 12/15/2025 3:08:17 PM

JOB DESCRIPTION

HACKBERRY POND PIPELINE

03C1558758

JOB NUMBER

890-9230-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
12/15/2025 3:08:17 PM

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

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Laboratory Job ID: 890-9230-1
SDG: 03C1558758

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Definitions/Glossary

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: HACKBERRY POND PIPELINE

Job ID: 890-9230-1

Job ID: 890-9230-1

Eurofins Carlsbad

Job Narrative
890-9230-1

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 12/12/2025 2:37 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.2°C.

Receipt Exceptions

The following were received and analyzed from an unpreserved bulk soil jar: SW03 (890-9230-1), SW05 (890-9230-2), SW02 (890-9230-3), SW04 (890-9230-4), FS28 (890-9230-5), FS27 (890-9230-6) and FS26 (890-9230-7).

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: The matrix spike duplicate (MSD) recoveries for preparation batch 880-126582 and analytical batch 880-126600 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126583/2-A) and (LCSD 880-126583/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-9230-A-7-B MS) and (890-9230-A-7-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS26 (890-9230-7). 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.

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: SW03

Lab Sample ID: 890-9230-1

Date Collected: 12/12/25 08:44

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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		12/13/25 08:23	12/14/25 18:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 18:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 18:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		12/13/25 08:23	12/14/25 18:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 18:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/25 08:23	12/14/25 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	12/13/25 08:23	12/14/25 18:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/13/25 08:23	12/14/25 18:03	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			12/14/25 18:03	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			12/15/25 01:26	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		12/12/25 16:33	12/15/25 01:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/25 16:33	12/15/25 01:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/25 16:33	12/15/25 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	12/12/25 16:33	12/15/25 01:26	1
o-Terphenyl	97		70 - 130	12/12/25 16:33	12/15/25 01:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.2		10.0	mg/Kg			12/15/25 11:26	1

Client Sample ID: SW05

Lab Sample ID: 890-9230-2

Date Collected: 12/12/25 09:13

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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		12/13/25 08:23	12/14/25 18:24	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/25 08:23	12/14/25 18:24	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/25 08:23	12/14/25 18:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		12/13/25 08:23	12/14/25 18:24	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/25 08:23	12/14/25 18:24	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/25 08:23	12/14/25 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/13/25 08:23	12/14/25 18:24	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: SW05

Lab Sample ID: 890-9230-2

Date Collected: 12/12/25 09:13

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	12/13/25 08:23	12/14/25 18:24	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			12/14/25 18:24	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			12/15/25 01:41	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		12/12/25 16:33	12/15/25 01:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/25 16:33	12/15/25 01:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/25 16:33	12/15/25 01:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			12/12/25 16:33	12/15/25 01:41	1
o-Terphenyl	77		70 - 130			12/12/25 16:33	12/15/25 01:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		9.92	mg/Kg			12/15/25 11:31	1

Client Sample ID: SW02

Lab Sample ID: 890-9230-3

Date Collected: 12/12/25 11:14

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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		12/13/25 08:23	12/14/25 18:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/25 08:23	12/14/25 18:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/25 08:23	12/14/25 18:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/13/25 08:23	12/14/25 18:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/25 08:23	12/14/25 18:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/25 08:23	12/14/25 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/13/25 08:23	12/14/25 18:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/13/25 08:23	12/14/25 18:44	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			12/14/25 18:44	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			12/15/25 01:54	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: SW02

Lab Sample ID: 890-9230-3

Date Collected: 12/12/25 11:14

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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	<49.8	U	49.8	mg/Kg		12/12/25 16:33	12/15/25 01:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/12/25 16:33	12/15/25 01:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/12/25 16:33	12/15/25 01:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			12/12/25 16:33	12/15/25 01:54	1
o-Terphenyl	81		70 - 130			12/12/25 16:33	12/15/25 01:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.5		9.98	mg/Kg			12/15/25 11:47	1

Client Sample ID: SW04

Lab Sample ID: 890-9230-4

Date Collected: 12/12/25 11:18

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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		12/13/25 08:23	12/14/25 19:05	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/13/25 08:23	12/14/25 19:05	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/13/25 08:23	12/14/25 19:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		12/13/25 08:23	12/14/25 19:05	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/13/25 08:23	12/14/25 19:05	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/13/25 08:23	12/14/25 19:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			12/13/25 08:23	12/14/25 19:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130			12/13/25 08:23	12/14/25 19:05	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			12/14/25 19:05	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			12/15/25 02:09	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		12/12/25 16:33	12/15/25 02:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/25 16:33	12/15/25 02:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/25 16:33	12/15/25 02:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			12/12/25 16:33	12/15/25 02:09	1
o-Terphenyl	84		70 - 130			12/12/25 16:33	12/15/25 02:09	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: SW04

Lab Sample ID: 890-9230-4

Date Collected: 12/12/25 11:18

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	365		9.92	mg/Kg			12/15/25 11:53	1

Client Sample ID: FS28

Lab Sample ID: 890-9230-5

Date Collected: 12/12/25 11:45

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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		12/13/25 08:23	12/14/25 19:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 19:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 19:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		12/13/25 08:23	12/14/25 19:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 19:25	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/25 08:23	12/14/25 19:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/13/25 08:23	12/14/25 19:25	1
1,4-Difluorobenzene (Surr)	94		70 - 130			12/13/25 08:23	12/14/25 19:25	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			12/14/25 19:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			12/15/25 02:23	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	<50.2	U	50.2	mg/Kg		12/12/25 16:33	12/15/25 02:23	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		12/12/25 16:33	12/15/25 02:23	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		12/12/25 16:33	12/15/25 02:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			12/12/25 16:33	12/15/25 02:23	1
o-Terphenyl	80		70 - 130			12/12/25 16:33	12/15/25 02:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.3		10.1	mg/Kg			12/15/25 12:09	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: FS27

Lab Sample ID: 890-9230-6

Date Collected: 12/12/25 11:47

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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		12/13/25 08:23	12/14/25 19:46	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/25 08:23	12/14/25 19:46	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/25 08:23	12/14/25 19:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		12/13/25 08:23	12/14/25 19:46	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/25 08:23	12/14/25 19:46	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/25 08:23	12/14/25 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			12/13/25 08:23	12/14/25 19:46	1
1,4-Difluorobenzene (Surr)	92		70 - 130			12/13/25 08:23	12/14/25 19:46	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			12/14/25 19:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			12/15/25 02:37	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	<50.2	U	50.2	mg/Kg		12/12/25 16:33	12/15/25 02:37	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		12/12/25 16:33	12/15/25 02:37	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		12/12/25 16:33	12/15/25 02:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			12/12/25 16:33	12/15/25 02:37	1
o-Terphenyl	83		70 - 130			12/12/25 16:33	12/15/25 02:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255		9.94	mg/Kg			12/15/25 12:14	1

Client Sample ID: FS26

Lab Sample ID: 890-9230-7

Date Collected: 12/12/25 11:49

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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		12/13/25 08:23	12/14/25 20:06	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/13/25 08:23	12/14/25 20:06	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/13/25 08:23	12/14/25 20:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		12/13/25 08:23	12/14/25 20:06	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/13/25 08:23	12/14/25 20:06	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		12/13/25 08:23	12/14/25 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			12/13/25 08:23	12/14/25 20:06	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: FS26

Lab Sample ID: 890-9230-7

Date Collected: 12/12/25 11:49

Matrix: Solid

Date Received: 12/12/25 14:37

Sample Depth: 0-3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	12/13/25 08:23	12/14/25 20:06	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			12/14/25 20:06	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			12/15/25 10:26	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		12/12/25 16:38	12/15/25 10:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/25 16:38	12/15/25 10:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/25 16:38	12/15/25 10:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130			12/12/25 16:38	12/15/25 10:26	1
o-Terphenyl	137	S1+	70 - 130			12/12/25 16:38	12/15/25 10:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		10.0	mg/Kg			12/15/25 12:19	1

Surrogate Summary

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-9230-1	SW03	98	92				
890-9230-1 MS	SW03	99	94				
890-9230-1 MSD	SW03	102	87				
890-9230-2	SW05	106	94				
890-9230-3	SW02	96	88				
890-9230-4	SW04	102	93				
890-9230-5	FS28	101	94				
890-9230-6	FS27	99	92				
890-9230-7	FS26	97	92				
LCS 880-126610/1-A	Lab Control Sample	97	99				
LCSD 880-126610/2-A	Lab Control Sample Dup	98	97				
MB 880-126609/5-A	Method Blank	101	86				
MB 880-126610/5-A	Method Blank	103	84				
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	OTPH1				
		(70-130)	(70-130)				
890-9229-A-5-B MS	Matrix Spike	103	87				
890-9229-A-5-C MSD	Matrix Spike Duplicate	92	79				
890-9230-1	SW03	100	97				
890-9230-2	SW05	78	77				
890-9230-3	SW02	83	81				
890-9230-4	SW04	86	84				
890-9230-5	FS28	80	80				
890-9230-6	FS27	83	83				
890-9230-7	FS26	139 S1+	137 S1+				
890-9230-7 MS	FS26	157 S1+	139 S1+				
890-9230-7 MSD	FS26	154 S1+	138 S1+				
LCS 880-126582/2-A	Lab Control Sample	104	85				
LCS 880-126583/2-A	Lab Control Sample	135 S1+	125				
LCSD 880-126582/3-A	Lab Control Sample Dup	94	94				
LCSD 880-126583/3-A	Lab Control Sample Dup	132 S1+	122				
MB 880-126582/1-A	Method Blank	88	87				
MB 880-126583/1-A	Method Blank	111	114				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126609/5-A

Matrix: Solid

Analysis Batch: 126592

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126609

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:19	12/14/25 01:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:19	12/14/25 01:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:19	12/14/25 01:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/13/25 08:19	12/14/25 01:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:19	12/14/25 01:48	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/25 08:19	12/14/25 01:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/13/25 08:19	12/14/25 01:48	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/13/25 08:19	12/14/25 01:48	1

Lab Sample ID: MB 880-126610/5-A

Matrix: Solid

Analysis Batch: 126592

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126610

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 17:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 17:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 17:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/13/25 08:23	12/14/25 17:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/25 08:23	12/14/25 17:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/25 08:23	12/14/25 17:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/13/25 08:23	12/14/25 17:42	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/13/25 08:23	12/14/25 17:42	1

Lab Sample ID: LCS 880-126610/1-A

Matrix: Solid

Analysis Batch: 126592

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09672		mg/Kg		97	70 - 130
Toluene	0.100	0.1036		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2067		mg/Kg		103	70 - 130
o-Xylene	0.100	0.09976		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-126610/2-A

Matrix: Solid

Analysis Batch: 126592

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126610

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09555		mg/Kg		96	70 - 130	1	35

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

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

Lab Sample ID: LCSD 880-126610/2-A

Matrix: Solid

Analysis Batch: 126592

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126610

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09889		mg/Kg		99	70 - 130	5	35
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2024		mg/Kg		101	70 - 130	2	35
o-Xylene	0.100	0.09786		mg/Kg		98	70 - 130	2	35

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

Lab Sample ID: 890-9230-1 MS

Matrix: Solid

Analysis Batch: 126592

Client Sample ID: SW03

Prep Type: Total/NA

Prep Batch: 126610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08719		mg/Kg		87	70 - 130
Toluene	<0.00200	U	0.100	0.09400		mg/Kg		94	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09519		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1827		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.100	0.08686		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-9230-1 MSD

Matrix: Solid

Analysis Batch: 126592

Client Sample ID: SW03

Prep Type: Total/NA

Prep Batch: 126610

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	0.09295		mg/Kg		93	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.09921		mg/Kg		99	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09447		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1873		mg/Kg		94	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.08882		mg/Kg		89	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

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

Lab Sample ID: MB 880-126582/1-A

Matrix: Solid

Analysis Batch: 126600

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126582

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		12/12/25 16:33	12/14/25 19:15	1

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

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

Lab Sample ID: MB 880-126582/1-A

Matrix: Solid

Analysis Batch: 126600

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126582

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/25 16:33	12/14/25 19:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/25 16:33	12/14/25 19:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			12/12/25 16:33	12/14/25 19:15	1
o-Terphenyl	87		70 - 130			12/12/25 16:33	12/14/25 19:15	1

Lab Sample ID: LCS 880-126582/2-A

Matrix: Solid

Analysis Batch: 126600

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	995.4		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	861.0		mg/Kg		86	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	104		70 - 130				
o-Terphenyl	85		70 - 130				

Lab Sample ID: LCSD 880-126582/3-A

Matrix: Solid

Analysis Batch: 126600

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126582

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1092		mg/Kg		109	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	978.2		mg/Kg		98	70 - 130	13	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 890-9229-A-5-B MS

Matrix: Solid

Analysis Batch: 126600

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 126582

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	1000	810.3		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	698.1		mg/Kg		70	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	87		70 - 130						

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

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

Lab Sample ID: 890-9229-A-5-C MSD

Matrix: Solid

Analysis Batch: 126600

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 126582

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	1000	740.9		mg/Kg		71	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	625.5	F1	mg/Kg		62	70 - 130	11	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	79		70 - 130								

Lab Sample ID: MB 880-126583/1-A

Matrix: Solid

Analysis Batch: 126642

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126583

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		12/12/25 16:38	12/15/25 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/25 16:38	12/15/25 02:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/25 16:38	12/15/25 02:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130			12/12/25 16:38	12/15/25 02:31	1
o-Terphenyl	114		70 - 130			12/12/25 16:38	12/15/25 02:31	1

Lab Sample ID: LCS 880-126583/2-A

Matrix: Solid

Analysis Batch: 126642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	910.7		mg/Kg		91	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
1-Chlorooctane	135	S1+	70 - 130					
o-Terphenyl	125		70 - 130					

Lab Sample ID: LCSD 880-126583/3-A

Matrix: Solid

Analysis Batch: 126642

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126583

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	890.3		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1085		mg/Kg		108	70 - 130	3	20

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

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

Lab Sample ID: LCSD 880-126583/3-A

Matrix: Solid

Analysis Batch: 126642

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126583

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 890-9230-7 MS

Matrix: Solid

Analysis Batch: 126642

Client Sample ID: FS26

Prep Type: Total/NA

Prep Batch: 126583

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	969.1		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1146		mg/Kg		115	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	157	S1+	70 - 130							
o-Terphenyl	139	S1+	70 - 130							

Lab Sample ID: 890-9230-7 MSD

Matrix: Solid

Analysis Batch: 126642

Client Sample ID: FS26

Prep Type: Total/NA

Prep Batch: 126583

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	936.7		mg/Kg		92	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1097		mg/Kg		110	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	154	S1+	70 - 130									
o-Terphenyl	138	S1+	70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126607/1-A

Matrix: Solid

Analysis Batch: 126636

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac	
Chloride	<10.0	U	10.0	mg/Kg			12/15/25 10:01		1	

Lab Sample ID: LCS 880-126607/2-A

Matrix: Solid

Analysis Batch: 126636

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	234.9		mg/Kg		94	90 - 110		

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-126607/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 126636											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	234.6		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-9230-2 MS				Client Sample ID: SW05							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 126636											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	116		248	355.7		mg/Kg		97	90 - 110		

Lab Sample ID: 890-9230-2 MSD				Client Sample ID: SW05							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 126636											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	116		248	355.7		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

GC VOA

Analysis Batch: 126592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-1	SW03	Total/NA	Solid	8021B	126610
890-9230-2	SW05	Total/NA	Solid	8021B	126610
890-9230-3	SW02	Total/NA	Solid	8021B	126610
890-9230-4	SW04	Total/NA	Solid	8021B	126610
890-9230-5	FS28	Total/NA	Solid	8021B	126610
890-9230-6	FS27	Total/NA	Solid	8021B	126610
890-9230-7	FS26	Total/NA	Solid	8021B	126610
MB 880-126609/5-A	Method Blank	Total/NA	Solid	8021B	126609
MB 880-126610/5-A	Method Blank	Total/NA	Solid	8021B	126610
LCS 880-126610/1-A	Lab Control Sample	Total/NA	Solid	8021B	126610
LCSD 880-126610/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126610
890-9230-1 MS	SW03	Total/NA	Solid	8021B	126610
890-9230-1 MSD	SW03	Total/NA	Solid	8021B	126610

Prep Batch: 126609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126609/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 126610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-1	SW03	Total/NA	Solid	5035	
890-9230-2	SW05	Total/NA	Solid	5035	
890-9230-3	SW02	Total/NA	Solid	5035	
890-9230-4	SW04	Total/NA	Solid	5035	
890-9230-5	FS28	Total/NA	Solid	5035	
890-9230-6	FS27	Total/NA	Solid	5035	
890-9230-7	FS26	Total/NA	Solid	5035	
MB 880-126610/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126610/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126610/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9230-1 MS	SW03	Total/NA	Solid	5035	
890-9230-1 MSD	SW03	Total/NA	Solid	5035	

Analysis Batch: 126714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-1	SW03	Total/NA	Solid	Total BTEX	
890-9230-2	SW05	Total/NA	Solid	Total BTEX	
890-9230-3	SW02	Total/NA	Solid	Total BTEX	
890-9230-4	SW04	Total/NA	Solid	Total BTEX	
890-9230-5	FS28	Total/NA	Solid	Total BTEX	
890-9230-6	FS27	Total/NA	Solid	Total BTEX	
890-9230-7	FS26	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-1	SW03	Total/NA	Solid	8015NM Prep	
890-9230-2	SW05	Total/NA	Solid	8015NM Prep	
890-9230-3	SW02	Total/NA	Solid	8015NM Prep	
890-9230-4	SW04	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

GC Semi VOA (Continued)

Prep Batch: 126582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-5	FS28	Total/NA	Solid	8015NM Prep	
890-9230-6	FS27	Total/NA	Solid	8015NM Prep	
MB 880-126582/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126582/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126582/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9229-A-5-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9229-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 126583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-7	FS26	Total/NA	Solid	8015NM Prep	
MB 880-126583/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126583/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126583/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9230-7 MS	FS26	Total/NA	Solid	8015NM Prep	
890-9230-7 MSD	FS26	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-1	SW03	Total/NA	Solid	8015B NM	126582
890-9230-2	SW05	Total/NA	Solid	8015B NM	126582
890-9230-3	SW02	Total/NA	Solid	8015B NM	126582
890-9230-4	SW04	Total/NA	Solid	8015B NM	126582
890-9230-5	FS28	Total/NA	Solid	8015B NM	126582
890-9230-6	FS27	Total/NA	Solid	8015B NM	126582
MB 880-126582/1-A	Method Blank	Total/NA	Solid	8015B NM	126582
LCS 880-126582/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126582
LCSD 880-126582/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126582
890-9229-A-5-B MS	Matrix Spike	Total/NA	Solid	8015B NM	126582
890-9229-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	126582

Analysis Batch: 126642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-7	FS26	Total/NA	Solid	8015B NM	126583
MB 880-126583/1-A	Method Blank	Total/NA	Solid	8015B NM	126583
LCS 880-126583/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126583
LCSD 880-126583/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126583
890-9230-7 MS	FS26	Total/NA	Solid	8015B NM	126583
890-9230-7 MSD	FS26	Total/NA	Solid	8015B NM	126583

Analysis Batch: 126672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-1	SW03	Total/NA	Solid	8015 NM	
890-9230-2	SW05	Total/NA	Solid	8015 NM	
890-9230-3	SW02	Total/NA	Solid	8015 NM	
890-9230-4	SW04	Total/NA	Solid	8015 NM	
890-9230-5	FS28	Total/NA	Solid	8015 NM	
890-9230-6	FS27	Total/NA	Solid	8015 NM	
890-9230-7	FS26	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

HPLC/IC

Leach Batch: 126607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-1	SW03	Soluble	Solid	DI Leach	
890-9230-2	SW05	Soluble	Solid	DI Leach	
890-9230-3	SW02	Soluble	Solid	DI Leach	
890-9230-4	SW04	Soluble	Solid	DI Leach	
890-9230-5	FS28	Soluble	Solid	DI Leach	
890-9230-6	FS27	Soluble	Solid	DI Leach	
890-9230-7	FS26	Soluble	Solid	DI Leach	
MB 880-126607/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126607/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126607/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9230-2 MS	SW05	Soluble	Solid	DI Leach	
890-9230-2 MSD	SW05	Soluble	Solid	DI Leach	

Analysis Batch: 126636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9230-1	SW03	Soluble	Solid	300.0	126607
890-9230-2	SW05	Soluble	Solid	300.0	126607
890-9230-3	SW02	Soluble	Solid	300.0	126607
890-9230-4	SW04	Soluble	Solid	300.0	126607
890-9230-5	FS28	Soluble	Solid	300.0	126607
890-9230-6	FS27	Soluble	Solid	300.0	126607
890-9230-7	FS26	Soluble	Solid	300.0	126607
MB 880-126607/1-A	Method Blank	Soluble	Solid	300.0	126607
LCS 880-126607/2-A	Lab Control Sample	Soluble	Solid	300.0	126607
LCSD 880-126607/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126607
890-9230-2 MS	SW05	Soluble	Solid	300.0	126607
890-9230-2 MSD	SW05	Soluble	Solid	300.0	126607

Lab Chronicle

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: SW03

Date Collected: 12/12/25 08:44

Date Received: 12/12/25 14:37

Lab Sample ID: 890-9230-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126610	12/13/25 08:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126592	12/14/25 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126714	12/14/25 18:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			126672	12/15/25 01:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 01:26	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 11:26	SMC	EET MID

Client Sample ID: SW05

Date Collected: 12/12/25 09:13

Date Received: 12/12/25 14:37

Lab Sample ID: 890-9230-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126610	12/13/25 08:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126592	12/14/25 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126714	12/14/25 18:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			126672	12/15/25 01:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 01:41	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 11:31	SMC	EET MID

Client Sample ID: SW02

Date Collected: 12/12/25 11:14

Date Received: 12/12/25 14:37

Lab Sample ID: 890-9230-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126610	12/13/25 08:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126592	12/14/25 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126714	12/14/25 18:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			126672	12/15/25 01:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 01:54	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 11:47	SMC	EET MID

Client Sample ID: SW04

Date Collected: 12/12/25 11:18

Date Received: 12/12/25 14:37

Lab Sample ID: 890-9230-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126610	12/13/25 08:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126592	12/14/25 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126714	12/14/25 19:05	SA	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: SW04**Lab Sample ID: 890-9230-4****Date Collected: 12/12/25 11:18****Matrix: Solid****Date Received: 12/12/25 14:37**

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			126672	12/15/25 02:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 02:09	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 11:53	SMC	EET MID

Client Sample ID: FS28**Lab Sample ID: 890-9230-5****Date Collected: 12/12/25 11:45****Matrix: Solid****Date Received: 12/12/25 14:37**

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	126610	12/13/25 08:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126592	12/14/25 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126714	12/14/25 19:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			126672	12/15/25 02:23	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 02:23	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 12:09	SMC	EET MID

Client Sample ID: FS27**Lab Sample ID: 890-9230-6****Date Collected: 12/12/25 11:47****Matrix: Solid****Date Received: 12/12/25 14:37**

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	126610	12/13/25 08:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126592	12/14/25 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126714	12/14/25 19:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			126672	12/15/25 02:37	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 02:37	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 12:14	SMC	EET MID

Client Sample ID: FS26**Lab Sample ID: 890-9230-7****Date Collected: 12/12/25 11:49****Matrix: Solid****Date Received: 12/12/25 14:37**

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	126610	12/13/25 08:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126592	12/14/25 20:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126714	12/14/25 20:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			126672	12/15/25 10:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126583	12/12/25 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126642	12/15/25 10:26	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Client Sample ID: FS26
Date Collected: 12/12/25 11:49
Date Received: 12/12/25 14:37

Lab Sample ID: 890-9230-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 12:19	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

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: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

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: HACKBERRY POND PIPELINE

Job ID: 890-9230-1
SDG: 03C1558758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9230-1	SW03	Solid	12/12/25 08:44	12/12/25 14:37	0-3
890-9230-2	SW05	Solid	12/12/25 09:13	12/12/25 14:37	0-3
890-9230-3	SW02	Solid	12/12/25 11:14	12/12/25 14:37	0-3
890-9230-4	SW04	Solid	12/12/25 11:18	12/12/25 14:37	0-3
890-9230-5	FS28	Solid	12/12/25 11:45	12/12/25 14:37	0-3
890-9230-6	FS27	Solid	12/12/25 11:47	12/12/25 14:37	0-3
890-9230-7	FS26	Solid	12/12/25 11:49	12/12/25 14:37	0-3

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Chain of Custody

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



Environment Testing
Xenco



W

890-9230 Chain of Custody

www.xenco.com

Project Manager:	Jeremy Reigh	Bill to: (if different)	Dale Woodall
Company Name:	Ensolum, LLC	Company Name:	XTO Energy, Inc
Address:	601 N Marienfeld Street, Suite 100	Address:	3014 E Greene St.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Carlsbad, NM, 88220
Phone:	(432) 296-0627	Email:	J.Reich@ensolum.com, T.Morrissey@ensolum.com

Project Name:	Hackberry Pond Pipeline ROW Turn Around	ANALYSIS REQUEST	Preservative Codes
Project Number:	03C1558758	Prep. Code	None: NO DI Water: H ₂ O
Project Location:	32.5265670, -103.17724		Cool: Cool MeOH: Me
Sampler's Name:	Trevor Wargo		HCL: HC HNO ₃ : HN
PO #:			H ₂ SO ₄ : H ₂

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Sample Comments
SW03	Soil	12/12/15	8:44	0-3	Comp	1	TPH 8015 BTEX 8021 Chloride 4500	
SW05			9:13					
SW02			11:14					
SW04			11:18					
FS28			11:45	3				
FS27			11:47					
FS26			11:49					

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 V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Trevor Wargo	Sum	12-12 1437			

Intident #: APP2527643588
CC: 2094621001
Pm: M. W. C. C. C.

Revised Date: 08/25/2020 Rev. 2020.2

Richard, Kot Zurec exxonmobil.com

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9230-1

SDG Number: 03C1558758

Login Number: 9230

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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9230-1

SDG Number: 03C1558758

Login Number: 9230

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 12/15/25 08:34 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 2/2/2026 10:27:51 AM

JOB DESCRIPTION

HACKBERY POND PIPELINE ROW

03C1558758

JOB NUMBER

890-9419-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
2/2/2026 10:27:51 AM

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

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Laboratory Job ID: 890-9419-1
SDG: 03C1558758

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Definitions/Glossary

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1

Job ID: 890-9419-1

Eurofins Carlsbad

Job Narrative 890-9419-1

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 1/29/2026 3:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS 63 (890-9419-1), SW 12 (890-9419-2) and SW 13 (890-9419-3).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS 63 (890-9419-1), SW 12 (890-9419-2) and SW 13 (890-9419-3). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-67328-A-47-F 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.

Diesel Range Organics

Method 8015B NM: Gas range hydrocarbons were biased low for this CCV. However, another CCV was analyzed and acceptable within the method derived 12 hour window: therefore, the data was qualified and reported.
(CCV 880-130405/158)

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: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Client Sample ID: FS 63

Lab Sample ID: 890-9419-1

Date Collected: 01/29/26 10:22

Matrix: Solid

Date Received: 01/29/26 15:55

Sample Depth: 3

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		01/30/26 15:46	01/31/26 16:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/30/26 15:46	01/31/26 16:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/30/26 15:46	01/31/26 16:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/30/26 15:46	01/31/26 16:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/30/26 15:46	01/31/26 16:59	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/30/26 15:46	01/31/26 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	01/30/26 15:46	01/31/26 16:59	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/30/26 15:46	01/31/26 16:59	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			01/31/26 16:59	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			01/31/26 00:53	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		01/30/26 08:15	01/31/26 00:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/30/26 08:15	01/31/26 00:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/30/26 08:15	01/31/26 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	01/30/26 08:15	01/31/26 00:53	1
o-Terphenyl	75		70 - 130	01/30/26 08:15	01/31/26 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		10.0	mg/Kg			01/30/26 15:57	1

Client Sample ID: SW 12

Lab Sample ID: 890-9419-2

Date Collected: 01/29/26 10:22

Matrix: Solid

Date Received: 01/29/26 15:55

Sample Depth: 0-2

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		01/30/26 15:46	01/31/26 17:20	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/30/26 15:46	01/31/26 17:20	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/30/26 15:46	01/31/26 17:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/30/26 15:46	01/31/26 17:20	1
o-Xylene	0.00208		0.00201	mg/Kg		01/30/26 15:46	01/31/26 17:20	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/30/26 15:46	01/31/26 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	01/30/26 15:46	01/31/26 17:20	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Client Sample ID: SW 12

Lab Sample ID: 890-9419-2

Date Collected: 01/29/26 10:22

Matrix: Solid

Date Received: 01/29/26 15:55

Sample Depth: 0-2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	01/30/26 15:46	01/31/26 17:20	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			01/31/26 17:20	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			01/31/26 01:07	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		01/30/26 08:15	01/31/26 01:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/26 08:15	01/31/26 01:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/26 08:15	01/31/26 01:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130			01/30/26 08:15	01/31/26 01:07	1
o-Terphenyl	77		70 - 130			01/30/26 08:15	01/31/26 01:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	385		9.96	mg/Kg			01/30/26 16:04	1

Client Sample ID: SW 13

Lab Sample ID: 890-9419-3

Date Collected: 01/29/26 10:28

Matrix: Solid

Date Received: 01/29/26 15:55

Sample Depth: 0-2

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		01/30/26 15:46	01/31/26 17:40	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/30/26 15:46	01/31/26 17:40	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/30/26 15:46	01/31/26 17:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		01/30/26 15:46	01/31/26 17:40	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/30/26 15:46	01/31/26 17:40	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/30/26 15:46	01/31/26 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	01/30/26 15:46	01/31/26 17:40	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/30/26 15:46	01/31/26 17:40	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			01/31/26 17:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			01/31/26 01:22	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Client Sample ID: SW 13

Lab Sample ID: 890-9419-3

Date Collected: 01/29/26 10:28

Matrix: Solid

Date Received: 01/29/26 15:55

Sample Depth: 0-2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		01/30/26 08:15	01/31/26 01:22	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		01/30/26 08:15	01/31/26 01:22	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		01/30/26 08:15	01/31/26 01:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130			01/30/26 08:15	01/31/26 01:22	1
o-Terphenyl	73		70 - 130			01/30/26 08:15	01/31/26 01:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		10.0	mg/Kg			01/30/26 16:26	1

Surrogate Summary

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

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)
880-67328-A-47-E MS	Matrix Spike	129	90
880-67328-A-47-F MSD	Matrix Spike Duplicate	131 S1+	93
890-9419-1	FS 63	142 S1+	90
890-9419-2	SW 12	155 S1+	89
890-9419-3	SW 13	137 S1+	90
LCS 880-130426/1-A	Lab Control Sample	124	92
LCSD 880-130426/2-A	Lab Control Sample Dup	128	90
MB 880-130426/5-A	Method Blank	128	88
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)
880-67540-A-51-E MS	Matrix Spike	99	88
880-67540-A-51-F MSD	Matrix Spike Duplicate	85	79
890-9419-1	FS 63	74	75
890-9419-2	SW 12	76	77
890-9419-3	SW 13	73	73
LCS 880-130331/2-A	Lab Control Sample	124	112
LCSD 880-130331/3-A	Lab Control Sample Dup	123	112
MB 880-130331/1-A	Method Blank	104	103
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-130426/5-A

Matrix: Solid

Analysis Batch: 130440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 130426

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/30/26 15:46	01/31/26 11:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/30/26 15:46	01/31/26 11:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/30/26 15:46	01/31/26 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/30/26 15:46	01/31/26 11:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/30/26 15:46	01/31/26 11:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/30/26 15:46	01/31/26 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	01/30/26 15:46	01/31/26 11:30	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/30/26 15:46	01/31/26 11:30	1

Lab Sample ID: LCS 880-130426/1-A

Matrix: Solid

Analysis Batch: 130440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1076		mg/Kg		108	70 - 130
Toluene	0.100	0.09787		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1924		mg/Kg		96	70 - 130
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-130426/2-A

Matrix: Solid

Analysis Batch: 130440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 130426

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1078		mg/Kg		108	70 - 130	0	35
Toluene	0.100	0.09996		mg/Kg		100	70 - 130	2	35
Ethylbenzene	0.100	0.1035		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1992		mg/Kg		100	70 - 130	4	35
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-67328-A-47-E MS

Matrix: Solid

Analysis Batch: 130440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1055		mg/Kg		106	70 - 130
Toluene	<0.00200	U	0.100	0.09608		mg/Kg		96	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

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

Lab Sample ID: 880-67328-A-47-E MS

Matrix: Solid

Analysis Batch: 130440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1916		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	129		70 - 130						
1,4-Difluorobenzene (Surr)	90		70 - 130						

Lab Sample ID: 880-67328-A-47-F MSD

Matrix: Solid

Analysis Batch: 130440

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 130426

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	0.1123		mg/Kg		112	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.09972		mg/Kg		100	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.1049		mg/Kg		105	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2011		mg/Kg		101	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.1054		mg/Kg		105	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

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

Lab Sample ID: MB 880-130331/1-A

Matrix: Solid

Analysis Batch: 130405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 130331

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		01/30/26 08:15	01/30/26 19:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/26 08:15	01/30/26 19:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/26 08:15	01/30/26 19:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits					
1-Chlorooctane	104		70 - 130					
o-Terphenyl	103		70 - 130					

Lab Sample ID: LCS 880-130331/2-A

Matrix: Solid

Analysis Batch: 130405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1194		mg/Kg		119	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

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

Lab Sample ID: LCS 880-130331/2-A

Matrix: Solid

Analysis Batch: 130405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130331

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-130331/3-A

Matrix: Solid

Analysis Batch: 130405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 130331

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	953.1		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1199		mg/Kg		120	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-67540-A-51-E MS

Matrix: Solid

Analysis Batch: 130405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	867.5		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	866.1		mg/Kg		87	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-67540-A-51-F MSD

Matrix: Solid

Analysis Batch: 130405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 130331

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	<49.9	U	996	719.5		mg/Kg		72	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	799.2		mg/Kg		80	70 - 130	8	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	79		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-130322/1-A

Matrix: Solid

Analysis Batch: 130338

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			01/30/26 15:01	1

Lab Sample ID: LCS 880-130322/2-A

Matrix: Solid

Analysis Batch: 130338

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.2		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-130322/3-A

Matrix: Solid

Analysis Batch: 130338

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	262.9		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-67568-A-1-B MS

Matrix: Solid

Analysis Batch: 130338

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	55.9		249	318.6		mg/Kg		106	90 - 110

Lab Sample ID: 880-67568-A-1-C MSD

Matrix: Solid

Analysis Batch: 130338

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	55.9		249	315.9		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

GC VOA

Prep Batch: 130426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9419-1	FS 63	Total/NA	Solid	5035	
890-9419-2	SW 12	Total/NA	Solid	5035	
890-9419-3	SW 13	Total/NA	Solid	5035	
MB 880-130426/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-130426/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-130426/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67328-A-47-E MS	Matrix Spike	Total/NA	Solid	5035	
880-67328-A-47-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 130440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9419-1	FS 63	Total/NA	Solid	8021B	130426
890-9419-2	SW 12	Total/NA	Solid	8021B	130426
890-9419-3	SW 13	Total/NA	Solid	8021B	130426
MB 880-130426/5-A	Method Blank	Total/NA	Solid	8021B	130426
LCS 880-130426/1-A	Lab Control Sample	Total/NA	Solid	8021B	130426
LCSD 880-130426/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	130426
880-67328-A-47-E MS	Matrix Spike	Total/NA	Solid	8021B	130426
880-67328-A-47-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	130426

Analysis Batch: 130527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9419-1	FS 63	Total/NA	Solid	Total BTEX	
890-9419-2	SW 12	Total/NA	Solid	Total BTEX	
890-9419-3	SW 13	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 130331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9419-1	FS 63	Total/NA	Solid	8015NM Prep	
890-9419-2	SW 12	Total/NA	Solid	8015NM Prep	
890-9419-3	SW 13	Total/NA	Solid	8015NM Prep	
MB 880-130331/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130331/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-130331/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67540-A-51-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67540-A-51-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 130405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9419-1	FS 63	Total/NA	Solid	8015B NM	130331
890-9419-2	SW 12	Total/NA	Solid	8015B NM	130331
890-9419-3	SW 13	Total/NA	Solid	8015B NM	130331
MB 880-130331/1-A	Method Blank	Total/NA	Solid	8015B NM	130331
LCS 880-130331/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130331
LCSD 880-130331/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	130331
880-67540-A-51-E MS	Matrix Spike	Total/NA	Solid	8015B NM	130331
880-67540-A-51-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	130331

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QC Association Summary

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

GC Semi VOA

Analysis Batch: 130469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9419-1	FS 63	Total/NA	Solid	8015 NM	
890-9419-2	SW 12	Total/NA	Solid	8015 NM	
890-9419-3	SW 13	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 130322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9419-1	FS 63	Soluble	Solid	DI Leach	
890-9419-2	SW 12	Soluble	Solid	DI Leach	
890-9419-3	SW 13	Soluble	Solid	DI Leach	
MB 880-130322/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-130322/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-130322/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67568-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-67568-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 130338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9419-1	FS 63	Soluble	Solid	300.0	130322
890-9419-2	SW 12	Soluble	Solid	300.0	130322
890-9419-3	SW 13	Soluble	Solid	300.0	130322
MB 880-130322/1-A	Method Blank	Soluble	Solid	300.0	130322
LCS 880-130322/2-A	Lab Control Sample	Soluble	Solid	300.0	130322
LCSD 880-130322/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	130322
880-67568-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	130322
880-67568-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	130322

Lab Chronicle

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Client Sample ID: FS 63**Lab Sample ID: 890-9419-1****Date Collected: 01/29/26 10:22****Matrix: Solid****Date Received: 01/29/26 15:55**

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	130426	01/30/26 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130440	01/31/26 16:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130527	01/31/26 16:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			130469	01/31/26 00:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	130331	01/30/26 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130405	01/31/26 00:53	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	130322	01/30/26 07:51	SA	EET MID
Soluble	Analysis	300.0		1			130338	01/30/26 15:57	SMC	EET MID

Client Sample ID: SW 12**Lab Sample ID: 890-9419-2****Date Collected: 01/29/26 10:22****Matrix: Solid****Date Received: 01/29/26 15:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	130426	01/30/26 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130440	01/31/26 17:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130527	01/31/26 17:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			130469	01/31/26 01:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130331	01/30/26 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130405	01/31/26 01:07	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	130322	01/30/26 07:51	SA	EET MID
Soluble	Analysis	300.0		1			130338	01/30/26 16:04	SMC	EET MID

Client Sample ID: SW 13**Lab Sample ID: 890-9419-3****Date Collected: 01/29/26 10:28****Matrix: Solid****Date Received: 01/29/26 15:55**

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	130426	01/30/26 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130440	01/31/26 17:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130527	01/31/26 17:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			130469	01/31/26 01:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	130331	01/30/26 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130405	01/31/26 01:22	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	130322	01/30/26 07:51	SA	EET MID
Soluble	Analysis	300.0		1			130338	01/30/26 16:26	SMC	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Ensolum
Project/Site: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

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: HACKBERY POND PIPELINE ROW

Job ID: 890-9419-1
SDG: 03C1558758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9419-1	FS 63	Solid	01/29/26 10:22	01/29/26 15:55	3
890-9419-2	SW 12	Solid	01/29/26 10:22	01/29/26 15:55	0-2
890-9419-3	SW 13	Solid	01/29/26 10:28	01/29/26 15:55	0-2

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Environment Testing
Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Jeremy Reich	Bill to: (if different)	Dale 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:	432-296-0627	Email:	jreich@ensolium.com, tmcristobal@ensolium.com

Project Name:	Hackberry Pond Pipeline Rvw	Turn Around	
Project Number:	03C1558758	☐ Routine ☒ Rush	48h
Project Location:	32.5265670, -103.4722813	Due Date:	
Sampler's Name:	Trevor Wargo	TAT starts the day received by the lab, if received by 4:30pm	
P O #:			

SAMPLE RECEIPT		Temp Blank: Yes ☒ No ☐		Wet Ice: Yes ☐ No ☒	
Samples Received Intact: Yes ☒ No ☐		Thermometer ID: 11111111		20.2	
Cooler Custody Seals: Yes ☒ No ☐		Correction Factor: N/A		5.4	
Sample Custody Seals: Yes ☒ No ☐		Temperature Reading: N/A		5.2	
Total Containers:		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Pres. Code	Parameters	Preservative Codes
FS63	S	1-29-26	1022	3	L	1		TRH8015	None: NO
SW12	S	↓	1022	0-2	↓	1		BTEX8021	Cool: Cool
SW13	S	↓	1028	0-2	↓	1		Chloride 300	HCL: HC
									H ₂ SO ₄ : H ₂
									H ₃ PO ₄ : HP
									NaHSO ₄ : NABIS
									Na ₂ S ₂ O ₃ : NaSO ₃
									Zn Acetate+NaOH: Zn
									NaOH+Ascorbic Acid: SAPC

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 V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP/SPLP 6010 : 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471		

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	1-29 1533			

Incident Number: NAPP2527643588 , GFCM: 48605000

CC: 2094621001

Richard X 13
r.extra.mob.1, twarag@ensolium.com, jreich@ensolium.com

Revised Date: 08/25/2020 Rev. 20202

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9419-1

SDG Number: 03C1558758

Login Number: 9419

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9419-1

SDG Number: 03C1558758

Login Number: 9419

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 01/30/26 07:43 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 2/3/2026 11:53:20 AM

JOB DESCRIPTION

HACKBERRY POND

03C1558758

JOB NUMBER

890-9437-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
2/3/2026 11:53:20 AM

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

Client: Ensolum
Project/Site: HACKBERRY POND

Laboratory Job ID: 890-9437-1
SDG: 03C1558758

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Definitions/Glossary

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project: HACKBERRY POND

Job ID: 890-9437-1

Job ID: 890-9437-1

Eurofins Carlsbad

Job Narrative 890-9437-1

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 1/30/2026 4:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS 64 (890-9437-1), FS 66 (890-9437-2), FS 65 (890-9437-3), FS 67 (890-9437-4), FS 68 (890-9437-5), FS 69 (890-9437-6), FS 70 (890-9437-7), FS 71 (890-9437-8), FS 73 (890-9437-9) and FS 74 (890-9437-10).

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-130543 and analytical batch 880-130533 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 64

Lab Sample ID: 890-9437-1

Date Collected: 01/30/26 08:42

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 16:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 16:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 16:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/02/26 12:01	02/02/26 16:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 16:15	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/02/26 12:01	02/02/26 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/02/26 12:01	02/02/26 16:15	1
1,4-Difluorobenzene (Surr)	113		70 - 130	02/02/26 12:01	02/02/26 16:15	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			02/02/26 16:15	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			02/02/26 13:02	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		02/02/26 09:19	02/02/26 13:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/26 09:19	02/02/26 13:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/26 09:19	02/02/26 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	02/02/26 09:19	02/02/26 13:02	1
o-Terphenyl	101		70 - 130	02/02/26 09:19	02/02/26 13:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		10.1	mg/Kg			02/02/26 15:23	1

Client Sample ID: FS 66

Lab Sample ID: 890-9437-2

Date Collected: 01/30/26 08:48

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 16:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/02/26 12:01	02/02/26 16:35	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/02/26 12:01	02/02/26 16:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/02/26 12:01	02/02/26 16:35	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/02/26 12:01	02/02/26 16:35	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/02/26 12:01	02/02/26 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/02/26 12:01	02/02/26 16:35	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/02/26 12:01	02/02/26 16:35	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 66

Lab Sample ID: 890-9437-2

Date Collected: 01/30/26 08:48

Matrix: Solid

Date Received: 01/30/26 16:25

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			02/02/26 16:35	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			02/02/26 13:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/02/26 09:19	02/02/26 13:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/02/26 09:19	02/02/26 13:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/02/26 09:19	02/02/26 13:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			02/02/26 09:19	02/02/26 13:17	1
o-Terphenyl	109		70 - 130			02/02/26 09:19	02/02/26 13:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.3		9.96	mg/Kg			02/02/26 15:28	1

Client Sample ID: FS 65

Lab Sample ID: 890-9437-3

Date Collected: 01/30/26 11:06

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 16:56	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/02/26 12:01	02/02/26 16:56	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/02/26 12:01	02/02/26 16:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		02/02/26 12:01	02/02/26 16:56	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/02/26 12:01	02/02/26 16:56	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/02/26 12:01	02/02/26 16:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			02/02/26 12:01	02/02/26 16:56	1
1,4-Difluorobenzene (Surr)	115		70 - 130			02/02/26 12:01	02/02/26 16:56	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			02/02/26 16:56	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			02/02/26 13:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/02/26 09:19	02/02/26 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/26 09:19	02/02/26 13:32	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 65

Lab Sample ID: 890-9437-3

Date Collected: 01/30/26 11:06

Matrix: Solid

Date Received: 01/30/26 16:25

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)	<49.9	U	49.9	mg/Kg		02/02/26 09:19	02/02/26 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			02/02/26 09:19	02/02/26 13:32	1
o-Terphenyl	103		70 - 130			02/02/26 09:19	02/02/26 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		9.92	mg/Kg			02/02/26 15:44	1

Client Sample ID: FS 67

Lab Sample ID: 890-9437-4

Date Collected: 01/30/26 14:08

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 17:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/26 12:01	02/02/26 17:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/26 12:01	02/02/26 17:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/02/26 12:01	02/02/26 17:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/26 12:01	02/02/26 17:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/02/26 12:01	02/02/26 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			02/02/26 12:01	02/02/26 17:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130			02/02/26 12:01	02/02/26 17:16	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			02/02/26 17:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			02/02/26 14:02	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	<50.2	U	50.2	mg/Kg		02/02/26 09:19	02/02/26 14:02	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		02/02/26 09:19	02/02/26 14:02	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		02/02/26 09:19	02/02/26 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			02/02/26 09:19	02/02/26 14:02	1
o-Terphenyl	105		70 - 130			02/02/26 09:19	02/02/26 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		10.0	mg/Kg			02/02/26 15:49	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 68

Lab Sample ID: 890-9437-5

Date Collected: 01/30/26 14:11

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 18:50	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/02/26 12:01	02/02/26 18:50	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/02/26 12:01	02/02/26 18:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/02/26 12:01	02/02/26 18:50	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/02/26 12:01	02/02/26 18:50	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/02/26 12:01	02/02/26 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/02/26 12:01	02/02/26 18:50	1
1,4-Difluorobenzene (Surr)	115		70 - 130	02/02/26 12:01	02/02/26 18:50	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			02/02/26 18:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			02/02/26 14:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		02/02/26 09:19	02/02/26 14:16	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		02/02/26 09:19	02/02/26 14:16	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		02/02/26 09:19	02/02/26 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	02/02/26 09:19	02/02/26 14:16	1
o-Terphenyl	103		70 - 130	02/02/26 09:19	02/02/26 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		9.94	mg/Kg			02/02/26 15:54	1

Client Sample ID: FS 69

Lab Sample ID: 890-9437-6

Date Collected: 01/30/26 14:14

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 19:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 19:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 19:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/02/26 12:01	02/02/26 19:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 19:10	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/02/26 12:01	02/02/26 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/02/26 12:01	02/02/26 19:10	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/02/26 12:01	02/02/26 19:10	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 69

Lab Sample ID: 890-9437-6

Date Collected: 01/30/26 14:14

Matrix: Solid

Date Received: 01/30/26 16:25

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			02/02/26 19:10	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			02/02/26 14:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/02/26 09:19	02/02/26 14:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/26 09:19	02/02/26 14:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/26 09:19	02/02/26 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			02/02/26 09:19	02/02/26 14:32	1
o-Terphenyl	98		70 - 130			02/02/26 09:19	02/02/26 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.2		9.90	mg/Kg			02/02/26 15:59	1

Client Sample ID: FS 70

Lab Sample ID: 890-9437-7

Date Collected: 01/30/26 14:17

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 19:31	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/02/26 12:01	02/02/26 19:31	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/02/26 12:01	02/02/26 19:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/02/26 12:01	02/02/26 19:31	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/02/26 12:01	02/02/26 19:31	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/02/26 12:01	02/02/26 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			02/02/26 12:01	02/02/26 19:31	1
1,4-Difluorobenzene (Surr)	113		70 - 130			02/02/26 12:01	02/02/26 19:31	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			02/02/26 19:31	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			02/02/26 14:46	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		02/02/26 09:19	02/02/26 14:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/26 09:19	02/02/26 14:46	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 70

Lab Sample ID: 890-9437-7

Date Collected: 01/30/26 14:17

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 09:19	02/02/26 14:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			02/02/26 09:19	02/02/26 14:46	1
o-Terphenyl	104		70 - 130			02/02/26 09:19	02/02/26 14:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.4		9.90	mg/Kg			02/02/26 16:05	1

Client Sample ID: FS 71

Lab Sample ID: 890-9437-8

Date Collected: 01/30/26 14:44

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 19:51	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/02/26 12:01	02/02/26 19:51	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/02/26 12:01	02/02/26 19:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		02/02/26 12:01	02/02/26 19:51	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/02/26 12:01	02/02/26 19:51	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/02/26 12:01	02/02/26 19:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			02/02/26 12:01	02/02/26 19:51	1
1,4-Difluorobenzene (Surr)	112		70 - 130			02/02/26 12:01	02/02/26 19:51	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			02/02/26 19:51	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			02/02/26 15:02	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		02/02/26 09:19	02/02/26 15:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/02/26 09:19	02/02/26 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/02/26 09:19	02/02/26 15:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130			02/02/26 09:19	02/02/26 15:02	1
o-Terphenyl	100		70 - 130			02/02/26 09:19	02/02/26 15:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.3		10.0	mg/Kg			02/02/26 16:10	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 73

Lab Sample ID: 890-9437-9

Date Collected: 01/30/26 14:50

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 20:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/26 12:01	02/02/26 20:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/26 12:01	02/02/26 20:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/02/26 12:01	02/02/26 20:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/26 12:01	02/02/26 20:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/02/26 12:01	02/02/26 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/02/26 12:01	02/02/26 20:12	1
1,4-Difluorobenzene (Surr)	113		70 - 130	02/02/26 12:01	02/02/26 20:12	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			02/02/26 20:12	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			02/02/26 15:16	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		02/02/26 09:19	02/02/26 15:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/26 09:19	02/02/26 15:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/26 09:19	02/02/26 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	02/02/26 09:19	02/02/26 15:16	1
o-Terphenyl	107		70 - 130	02/02/26 09:19	02/02/26 15:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626		10.1	mg/Kg			02/02/26 16:25	1

Client Sample ID: FS 74

Lab Sample ID: 890-9437-10

Date Collected: 01/30/26 14:53

Matrix: Solid

Date Received: 01/30/26 16:25

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		02/02/26 12:01	02/02/26 20:32	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/02/26 12:01	02/02/26 20:32	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/02/26 12:01	02/02/26 20:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/02/26 12:01	02/02/26 20:32	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/02/26 12:01	02/02/26 20:32	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/02/26 12:01	02/02/26 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/02/26 12:01	02/02/26 20:32	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/02/26 12:01	02/02/26 20:32	1

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Client Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 74

Lab Sample ID: 890-9437-10

Date Collected: 01/30/26 14:53

Matrix: Solid

Date Received: 01/30/26 16:25

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			02/02/26 20:32	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			02/02/26 15:33	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		02/02/26 09:19	02/02/26 15:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/26 09:19	02/02/26 15:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/26 09:19	02/02/26 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	02/02/26 09:19	02/02/26 15:33	1
o-Terphenyl	108		70 - 130	02/02/26 09:19	02/02/26 15:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		9.94	mg/Kg			02/02/26 16:31	1

Surrogate Summary

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-67624-A-6-D MS	Matrix Spike	99	95				
880-67624-A-6-E MSD	Matrix Spike Duplicate	104	110				
890-9437-1	FS 64	110	113				
890-9437-2	FS 66	110	114				
890-9437-3	FS 65	116	115				
890-9437-4	FS 67	88	100				
890-9437-5	FS 68	120	115				
890-9437-6	FS 69	111	112				
890-9437-7	FS 70	111	113				
890-9437-8	FS 71	122	112				
890-9437-9	FS 73	113	113				
890-9437-10	FS 74	114	114				
LCS 880-130543/1-A	Lab Control Sample	105	108				
LCSD 880-130543/2-A	Lab Control Sample Dup	108	109				
MB 880-130543/5-A	Method Blank	110	104				
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	OTPH1				
		(70-130)	(70-130)				
880-67624-A-9-E MS	Matrix Spike	115	104				
880-67624-A-9-F MSD	Matrix Spike Duplicate	117	106				
890-9437-1	FS 64	96	101				
890-9437-2	FS 66	104	109				
890-9437-3	FS 65	99	103				
890-9437-4	FS 67	100	105				
890-9437-5	FS 68	100	103				
890-9437-6	FS 69	93	98				
890-9437-7	FS 70	100	104				
890-9437-8	FS 71	94	100				
890-9437-9	FS 73	101	107				
890-9437-10	FS 74	102	108				
LCS 880-130496/2-A	Lab Control Sample	125	112				
LCSD 880-130496/3-A	Lab Control Sample Dup	101	114				
MB 880-130496/1-A	Method Blank	87	94				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-130543/5-A

Matrix: Solid

Analysis Batch: 130533

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 130543

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 13:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 13:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 13:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/02/26 12:01	02/02/26 13:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/26 12:01	02/02/26 13:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/02/26 12:01	02/02/26 13:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/02/26 12:01	02/02/26 13:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/02/26 12:01	02/02/26 13:50	1

Lab Sample ID: LCS 880-130543/1-A

Matrix: Solid

Analysis Batch: 130533

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	0.100	0.09524		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2075		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-130543/2-A

Matrix: Solid

Analysis Batch: 130533

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 130543

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1052		mg/Kg		105	70 - 130	2	35
Toluene	0.100	0.09653		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.1005		mg/Kg		101	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2074		mg/Kg		104	70 - 130	0	35
o-Xylene	0.100	0.1048		mg/Kg		105	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-67624-A-6-D MS

Matrix: Solid

Analysis Batch: 130533

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130543

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.06703	F1	mg/Kg		67	70 - 130
Toluene	<0.00200	U	0.100	0.07063		mg/Kg		71	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

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

Lab Sample ID: 880-67624-A-6-D MS

Matrix: Solid

Analysis Batch: 130533

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130543

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07749		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1666		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.08192		mg/Kg		82	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 880-67624-A-6-E MSD

Matrix: Solid

Analysis Batch: 130533

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 130543

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.08152		mg/Kg		82	70 - 130	20	35
Toluene	<0.00200	U	0.100	0.07660		mg/Kg		77	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.08066		mg/Kg		81	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1709		mg/Kg		85	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.08579		mg/Kg		86	70 - 130	5	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	110		70 - 130								

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

Lab Sample ID: MB 880-130496/1-A

Matrix: Solid

Analysis Batch: 130517

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 130496

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		02/02/26 09:18	02/02/26 08:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/26 09:18	02/02/26 08:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/26 09:18	02/02/26 08:58	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			02/02/26 09:18	02/02/26 08:58	1
o-Terphenyl	94		70 - 130			02/02/26 09:18	02/02/26 08:58	1

Lab Sample ID: LCS 880-130496/2-A

Matrix: Solid

Analysis Batch: 130517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936.9		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	941.5		mg/Kg		94	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

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

Lab Sample ID: LCS 880-130496/2-A

Matrix: Solid

Analysis Batch: 130517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130496

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-130496/3-A

Matrix: Solid

Analysis Batch: 130517

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 130496

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	937.6		mg/Kg		94	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1006		mg/Kg		101	70 - 130	7	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 880-67624-A-9-E MS

Matrix: Solid

Analysis Batch: 130517

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130496

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	838.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<50.5	U	1010	861.6		mg/Kg		86	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-67624-A-9-F MSD

Matrix: Solid

Analysis Batch: 130517

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 130496

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	<50.5	U	1010	826.6		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.5	U	1010	872.3		mg/Kg		87	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	106		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-130514/1-A

Matrix: Solid

Analysis Batch: 130522

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			02/02/26 14:41	1

Lab Sample ID: LCS 880-130514/2-A

Matrix: Solid

Analysis Batch: 130522

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-130514/3-A

Matrix: Solid

Analysis Batch: 130522

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	255.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-9437-8 MS

Matrix: Solid

Analysis Batch: 130522

Client Sample ID: FS 71

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	64.3		251	336.1		mg/Kg		108	90 - 110

Lab Sample ID: 890-9437-8 MSD

Matrix: Solid

Analysis Batch: 130522

Client Sample ID: FS 71

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	64.3		251	335.3		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

GC VOA

Analysis Batch: 130533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9437-1	FS 64	Total/NA	Solid	8021B	130543
890-9437-2	FS 66	Total/NA	Solid	8021B	130543
890-9437-3	FS 65	Total/NA	Solid	8021B	130543
890-9437-4	FS 67	Total/NA	Solid	8021B	130543
890-9437-5	FS 68	Total/NA	Solid	8021B	130543
890-9437-6	FS 69	Total/NA	Solid	8021B	130543
890-9437-7	FS 70	Total/NA	Solid	8021B	130543
890-9437-8	FS 71	Total/NA	Solid	8021B	130543
890-9437-9	FS 73	Total/NA	Solid	8021B	130543
890-9437-10	FS 74	Total/NA	Solid	8021B	130543
MB 880-130543/5-A	Method Blank	Total/NA	Solid	8021B	130543
LCS 880-130543/1-A	Lab Control Sample	Total/NA	Solid	8021B	130543
LCSD 880-130543/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	130543
880-67624-A-6-D MS	Matrix Spike	Total/NA	Solid	8021B	130543
880-67624-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	130543

Prep Batch: 130543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9437-1	FS 64	Total/NA	Solid	5035	
890-9437-2	FS 66	Total/NA	Solid	5035	
890-9437-3	FS 65	Total/NA	Solid	5035	
890-9437-4	FS 67	Total/NA	Solid	5035	
890-9437-5	FS 68	Total/NA	Solid	5035	
890-9437-6	FS 69	Total/NA	Solid	5035	
890-9437-7	FS 70	Total/NA	Solid	5035	
890-9437-8	FS 71	Total/NA	Solid	5035	
890-9437-9	FS 73	Total/NA	Solid	5035	
890-9437-10	FS 74	Total/NA	Solid	5035	
MB 880-130543/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-130543/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-130543/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67624-A-6-D MS	Matrix Spike	Total/NA	Solid	5035	
880-67624-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 130596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9437-1	FS 64	Total/NA	Solid	Total BTEX	
890-9437-2	FS 66	Total/NA	Solid	Total BTEX	
890-9437-3	FS 65	Total/NA	Solid	Total BTEX	
890-9437-4	FS 67	Total/NA	Solid	Total BTEX	
890-9437-5	FS 68	Total/NA	Solid	Total BTEX	
890-9437-6	FS 69	Total/NA	Solid	Total BTEX	
890-9437-7	FS 70	Total/NA	Solid	Total BTEX	
890-9437-8	FS 71	Total/NA	Solid	Total BTEX	
890-9437-9	FS 73	Total/NA	Solid	Total BTEX	
890-9437-10	FS 74	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

GC Semi VOA

Prep Batch: 130496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9437-1	FS 64	Total/NA	Solid	8015NM Prep	
890-9437-2	FS 66	Total/NA	Solid	8015NM Prep	
890-9437-3	FS 65	Total/NA	Solid	8015NM Prep	
890-9437-4	FS 67	Total/NA	Solid	8015NM Prep	
890-9437-5	FS 68	Total/NA	Solid	8015NM Prep	
890-9437-6	FS 69	Total/NA	Solid	8015NM Prep	
890-9437-7	FS 70	Total/NA	Solid	8015NM Prep	
890-9437-8	FS 71	Total/NA	Solid	8015NM Prep	
890-9437-9	FS 73	Total/NA	Solid	8015NM Prep	
890-9437-10	FS 74	Total/NA	Solid	8015NM Prep	
MB 880-130496/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130496/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-130496/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67624-A-9-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67624-A-9-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 130517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9437-1	FS 64	Total/NA	Solid	8015B NM	130496
890-9437-2	FS 66	Total/NA	Solid	8015B NM	130496
890-9437-3	FS 65	Total/NA	Solid	8015B NM	130496
890-9437-4	FS 67	Total/NA	Solid	8015B NM	130496
890-9437-5	FS 68	Total/NA	Solid	8015B NM	130496
890-9437-6	FS 69	Total/NA	Solid	8015B NM	130496
890-9437-7	FS 70	Total/NA	Solid	8015B NM	130496
890-9437-8	FS 71	Total/NA	Solid	8015B NM	130496
890-9437-9	FS 73	Total/NA	Solid	8015B NM	130496
890-9437-10	FS 74	Total/NA	Solid	8015B NM	130496
MB 880-130496/1-A	Method Blank	Total/NA	Solid	8015B NM	130496
LCS 880-130496/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130496
LCSD 880-130496/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	130496
880-67624-A-9-E MS	Matrix Spike	Total/NA	Solid	8015B NM	130496
880-67624-A-9-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	130496

Analysis Batch: 130590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9437-1	FS 64	Total/NA	Solid	8015 NM	
890-9437-2	FS 66	Total/NA	Solid	8015 NM	
890-9437-3	FS 65	Total/NA	Solid	8015 NM	
890-9437-4	FS 67	Total/NA	Solid	8015 NM	
890-9437-5	FS 68	Total/NA	Solid	8015 NM	
890-9437-6	FS 69	Total/NA	Solid	8015 NM	
890-9437-7	FS 70	Total/NA	Solid	8015 NM	
890-9437-8	FS 71	Total/NA	Solid	8015 NM	
890-9437-9	FS 73	Total/NA	Solid	8015 NM	
890-9437-10	FS 74	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

HPLC/IC

Leach Batch: 130514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9437-1	FS 64	Soluble	Solid	DI Leach	
890-9437-2	FS 66	Soluble	Solid	DI Leach	
890-9437-3	FS 65	Soluble	Solid	DI Leach	
890-9437-4	FS 67	Soluble	Solid	DI Leach	
890-9437-5	FS 68	Soluble	Solid	DI Leach	
890-9437-6	FS 69	Soluble	Solid	DI Leach	
890-9437-7	FS 70	Soluble	Solid	DI Leach	
890-9437-8	FS 71	Soluble	Solid	DI Leach	
890-9437-9	FS 73	Soluble	Solid	DI Leach	
890-9437-10	FS 74	Soluble	Solid	DI Leach	
MB 880-130514/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-130514/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-130514/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9437-8 MS	FS 71	Soluble	Solid	DI Leach	
890-9437-8 MSD	FS 71	Soluble	Solid	DI Leach	

Analysis Batch: 130522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9437-1	FS 64	Soluble	Solid	300.0	130514
890-9437-2	FS 66	Soluble	Solid	300.0	130514
890-9437-3	FS 65	Soluble	Solid	300.0	130514
890-9437-4	FS 67	Soluble	Solid	300.0	130514
890-9437-5	FS 68	Soluble	Solid	300.0	130514
890-9437-6	FS 69	Soluble	Solid	300.0	130514
890-9437-7	FS 70	Soluble	Solid	300.0	130514
890-9437-8	FS 71	Soluble	Solid	300.0	130514
890-9437-9	FS 73	Soluble	Solid	300.0	130514
890-9437-10	FS 74	Soluble	Solid	300.0	130514
MB 880-130514/1-A	Method Blank	Soluble	Solid	300.0	130514
LCS 880-130514/2-A	Lab Control Sample	Soluble	Solid	300.0	130514
LCSD 880-130514/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	130514
890-9437-8 MS	FS 71	Soluble	Solid	300.0	130514
890-9437-8 MSD	FS 71	Soluble	Solid	300.0	130514

Lab Chronicle

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 64**Lab Sample ID: 890-9437-1****Date Collected: 01/30/26 08:42****Matrix: Solid****Date Received: 01/30/26 16:25**

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 16:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 16:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 13:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 13:02	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 15:23	CS	EET MID

Client Sample ID: FS 66**Lab Sample ID: 890-9437-2****Date Collected: 01/30/26 08:48****Matrix: Solid****Date Received: 01/30/26 16:25**

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 16:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 13:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 13:17	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 15:28	CS	EET MID

Client Sample ID: FS 65**Lab Sample ID: 890-9437-3****Date Collected: 01/30/26 11:06****Matrix: Solid****Date Received: 01/30/26 16:25**

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 16:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 16:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 13:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 13:32	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 15:44	CS	EET MID

Client Sample ID: FS 67**Lab Sample ID: 890-9437-4****Date Collected: 01/30/26 14:08****Matrix: Solid****Date Received: 01/30/26 16:25**

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 17:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 17:16	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 67

Lab Sample ID: 890-9437-4

Date Collected: 01/30/26 14:08

Matrix: Solid

Date Received: 01/30/26 16:25

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			130590	02/02/26 14:02	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 14:02	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 15:49	CS	EET MID

Client Sample ID: FS 68

Lab Sample ID: 890-9437-5

Date Collected: 01/30/26 14:11

Matrix: Solid

Date Received: 01/30/26 16:25

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 18:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 18:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 14:16	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 14:16	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 15:54	CS	EET MID

Client Sample ID: FS 69

Lab Sample ID: 890-9437-6

Date Collected: 01/30/26 14:14

Matrix: Solid

Date Received: 01/30/26 16:25

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 19:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 14:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 14:32	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 15:59	CS	EET MID

Client Sample ID: FS 70

Lab Sample ID: 890-9437-7

Date Collected: 01/30/26 14:17

Matrix: Solid

Date Received: 01/30/26 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 19:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 14:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 14:46	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Client Sample ID: FS 70**Lab Sample ID: 890-9437-7****Date Collected: 01/30/26 14:17****Matrix: Solid****Date Received: 01/30/26 16:25**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 16:05	CS	EET MID

Client Sample ID: FS 71**Lab Sample ID: 890-9437-8****Date Collected: 01/30/26 14:44****Matrix: Solid****Date Received: 01/30/26 16:25**

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 19:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 19:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 15:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 15:02	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 16:10	CS	EET MID

Client Sample ID: FS 73**Lab Sample ID: 890-9437-9****Date Collected: 01/30/26 14:50****Matrix: Solid****Date Received: 01/30/26 16:25**

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 20:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 15:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 15:16	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 16:25	CS	EET MID

Client Sample ID: FS 74**Lab Sample ID: 890-9437-10****Date Collected: 01/30/26 14:53****Matrix: Solid****Date Received: 01/30/26 16:25**

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	130543	02/02/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130533	02/02/26 20:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130596	02/02/26 20:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			130590	02/02/26 15:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130496	02/02/26 09:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130517	02/02/26 15:33	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	130514	02/02/26 10:21	SA	EET MID
Soluble	Analysis	300.0		1			130522	02/02/26 16:31	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Ensolum
Project/Site: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

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: HACKBERRY POND

Job ID: 890-9437-1
SDG: 03C1558758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9437-1	FS 64	Solid	01/30/26 08:42	01/30/26 16:25	New Mexico
890-9437-2	FS 66	Solid	01/30/26 08:48	01/30/26 16:25	New Mexico
890-9437-3	FS 65	Solid	01/30/26 11:06	01/30/26 16:25	New Mexico
890-9437-4	FS 67	Solid	01/30/26 14:08	01/30/26 16:25	New Mexico
890-9437-5	FS 68	Solid	01/30/26 14:11	01/30/26 16:25	New Mexico
890-9437-6	FS 69	Solid	01/30/26 14:14	01/30/26 16:25	New Mexico
890-9437-7	FS 70	Solid	01/30/26 14:17	01/30/26 16:25	New Mexico
890-9437-8	FS 71	Solid	01/30/26 14:44	01/30/26 16:25	New Mexico
890-9437-9	FS 73	Solid	01/30/26 14:50	01/30/26 16:25	New Mexico
890-9437-10	FS 74	Solid	01/30/26 14:53	01/30/26 16:25	New Mexico

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Chain of Custody

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



Environment Testing
Xenco

Work Order No: _____

www.xenco.com

Page 1 of 1

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Unlabeled: ☐ EDD ☐ ADAPT ☐ Other: _____

Project Manager: Jeremy Reich Bill to: (if different) Date Woodall

Company Name: Ensoium 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: (505) 296-0627 Email: J.Reich@ensoium.com, J.Morrissey@XTO

Project Name: Hackberry Pipeline ROW Turn Around Pres. Code: ANF

Project Number: 03C1558758 ☐ Routine ☒ Rush 48h

Project Location: 32.526670 -103.972283 Due Date: _____

Sampler's Name: Trevor Wargo TAT starts the day received by the lab, if received by 4:30pm

PO #: _____

SAMPLE RECEIPT

Samples Received Intact: ☒ Yes ☒ No Wet Ice: ☒ Yes ☒ No

Cooler Custody Seals: ☒ Yes ☒ No Thermometer ID: INMCO

Sample Custody Seals: ☒ Yes ☒ No Correction Factor: -0.2

Total Containers: _____ Temperature Reading: 6.0

Corrected Temperature: 5.8

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
FS64	Soil	1/30/26	8:42	3	C	1	TPH 8025 BTEX 8022 Chloride 300	
FS66			8:48	2				
FS65			11:06	1				
FS67			14:08	3				
FS68			14:11					
FS69			14:14					
FS70			14:27					
FS71			14:44					
FS73			14:50	2				
FS74			14:53					

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 \$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
<u>Jeremy Reich</u>	<u>Trevor Wargo</u>	<u>1-30-16</u>			

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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



Environment Testing

Client Information (Sub Contract Lab)		Sampler	Lab P#	Carrier Tracking No(s)	COC No:
Client Contact: N/A		Phone: N/A	Kramer, Jessica	N/A	890-6435 1
Shipping/Receiving		Phone: N/A	E-Mail: Jessica.Kramer@eurofins.com	State of Origin: New Mexico	Page: 1 of 2
Company: Eurofins Environment Testing South Center		Accreditations Required (See note): NELAP - Texas		Job #:	890-9437-1
Address: 1211 W. Florida Ave.		Due Date Requested: 2/3/2026	Preservation Codes:		
City: Midland	State, Zip: TX, 79701	TAT Requested (days): N/A	Analysis Requested		
Phone: 432-704-5440(Tel)	PO #: N/A	WO #: N/A	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH		
Email: N/A	Project #: 89000110	SSOW#: N/A	8015MOD_Calc		
Project Name: HACKBERRY POND			300_ORGFM_28D/DI_LEACHChloride		
Site: N/A			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=soil, A=Air)
FS 64 (890-9437-1)	1/30/26	08:42	G	Solid	X
FS 66 (890-9437-2)	1/30/26	08:48	G	Solid	X
FS 65 (890-9437-3)	1/30/26	11:06	G	Solid	X
FS 67 (890-9437-4)	1/30/26	14:08	G	Solid	X
FS 68 (890-9437-5)	1/30/26	14:11	G	Solid	X
FS 69 (890-9437-6)	1/30/26	14:14	G	Solid	X
FS 70 (890-9437-7)	1/30/26	14:17	G	Solid	X
FS 71 (890-9437-8)	1/30/26	14:44	G	Solid	X
FS 73 (890-9437-9)	1/30/26	14:50	G	Solid	X
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Center, 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/shipment, being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Center, LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Center, 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 Center, LLC.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (Specify) Primary Deliverable Rank: 2					
Empty Kit Relinquished by: [Signature] Date: [Blank] Time: [Blank]					
Relinquished by: [Signature] Date/Time: 1-30 1635 Company: [Blank]					
Relinquished by: [Blank] Date/Time: [Blank] Company: [Blank]					
Custody Seals Intact: A Yes A No Custody Seal No					
Cooler Temperature(s) °C and Other Remarks: 1.9/1.8 -1 TR8					

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9437-1

SDG Number: 03C1558758

Login Number: 9437

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9437-1

SDG Number: 03C1558758

Login Number: 9437

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 02/02/26 09:06 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	



APPENDIX F

NMOCD Correspondence

Jeremy Reich

From: Tracy Hillard
Sent: Tuesday, December 30, 2025 4:21 PM
To: Jeremy Reich
Subject: FW: [EXTERNAL] XTO - Status Update - Hackberry Pond Pipeline Row - Incident Number NAPP2527643588

For record. Save in the folder.



Tracy Hillard
Project Engineer
575-937-3906
Ensolum, LLC
in f X

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Tuesday, December 30, 2025 4:19 PM
To: robert.d.woodall@exxonmobil.com
Cc: Ben Belill <bbelill@ensolum.com>; Tracy Hillard <thillard@ensolum.com>; Tacoma Morrissey <tmorrissey@ensolum.com>; Kotzur, Richard <richard.kotzur@exxonmobil.com>; Tran, Quan <quan.tran@exxonmobil.com>
Subject: RE: [EXTERNAL] XTO - Status Update - Hackberry Pond Pipeline Row - Incident Number NAPP2527643588

[**EXTERNAL EMAIL**]

Good afternoon, Dale

The request for a 90-day extension from the current deadline is approved for the incident at the Hackberry Pond Pipeline Row - Incident Number NAPP2527643588 . The application page will be updated to reflect this change. The new deadline to submit the closure report is 04/06/2026. Please include this correspondence in the closure report.

Kind regards,

Mike

From: Woodall, Robert D <robert.d.woodall@exxonmobil.com>
Sent: Tuesday, December 30, 2025 1:42 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: bbelill@ensolum.com; Tracy Hillard <thillard@ensolum.com>; tmorrissey@ensolum.com; Kotzur, Richard <richard.kotzur@exxonmobil.com>; Tran, Quan <quan.tran@exxonmobil.com>
Subject: [EXTERNAL] XTO - Status Update - Hackberry Pond Pipeline Row - Incident Number NAPP2527643588

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

XTO is providing a remediation status update for a produced water release that occurred at the Hackberry Pond Pipeline Row (Incident Number NAPP2527643588). The release occurred on October 2, 2025. Excavation of accessible impacted soil has been conducted with approximately 797 cubic yards of soil removed. Approximately 340 cubic yards of impacted soil remains over a 6,094 square foot area encompassing 5 active produced water and gas lines. Additional time is needed to hydro excavate the impacted area in the Right of Way area. To allow time to conduct additional remediation activities, review laboratory analytical results, and submit a Closure Request , XTO kindly requests a 90-day extension until March 22, 2026.

R. Dale Woodall
Project Manager

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

Location:	Hackberry Pond	
Spill Date:	10/2/2025	
Incident #:	nAPP2527643588	
Area 1		
Approximate Area =	13510	sq. ft.
Average Saturation (or depth) of spill =	2.50	inches
Average Porosity Factor =	0.15	
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	60.00	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 =	60.0	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =		bbls
Total Produced Water =	0	bbls

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

QUESTIONS

Action 512106

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 512106
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2527643588
Incident Name	NAPP2527643588 HACKBERRY POND PIPELINE ROW @32.52670 / -103.97228 @ I-33-20S-30E 271S 153W
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	HACKBERRY POND PIPELINE ROW @32.52670 / -103.97228
Date Release Discovered	10/02/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Valve Produced Water Released: 60 BBL Recovered: 0 BBL Lost: 60 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 512106

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 512106
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 10/03/2025

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QUESTIONS, Page 3

Action 512106

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 512106
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 512106

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 512106
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Spill calculations and initial c141 are approved. Remediation closure is due to the OCD no later than 90-days from the discovery of the release, by 10/02/2025.	10/3/2025

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 571507

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 571507
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2527643588
Incident Name	NAPP2527643588 HACKBERRY POND PIPELINE ROW @32.52670 / -103.97228 @ I-33-20S-30E 271S 153W
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	HACKBERRY POND PIPELINE ROW @32.52670 / -103.97228
Date Release Discovered	10/02/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Valve Produced Water Released: 60 BBL Recovered: 0 BBL Lost: 60 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 571507

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 571507
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/06/2026

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QUESTIONS, Page 3

Action 571507

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 571507
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	592
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	60.4
GRO+DRO (EPA SW-846 Method 8015M)	60.4
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/16/2025
On what date will (or did) the final sampling or liner inspection occur	03/17/2026
On what date will (or was) the remediation complete(d)	03/17/2026
What is the estimated surface area (in square feet) that will be reclaimed	15899
What is the estimated volume (in cubic yards) that will be reclaimed	1296
What is the estimated surface area (in square feet) that will be remediated	15899
What is the estimated volume (in cubic yards) that will be remediated	1296
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 571507

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 571507
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/06/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 571507

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 571507
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 571507

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 571507
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	561948
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/20/2026
What was the (estimated) number of samples that were to be gathered	68
What was the sampling surface area in square feet	13472

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	15899
What was the total volume (cubic yards) remediated	1296
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	15899
What was the total volume (in cubic yards) reclaimed	1296
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site to address the October 2025 release of produced water. Laboratory analytical results for all confirmation soil samples collected from the final excavation extent indicated COC concentrations were compliant with the Closure Criteria and reclamation requirements. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing Site conditions and reseeded with the appropriate BLM seed mixture. Excavation of soil has mitigated impacts to soil that exceeded Closure Criteria and reclamation requirements at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests no further remediation for Incident Number nAPP2527643588.

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/06/2026

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 571507

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 571507
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 571507

CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 571507
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	4/10/2026
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/10/2026
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/10/2026
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	4/10/2026
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/10/2026
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	4/10/2026