



December 1, 2025

**New Mexico Oil Conservation Division**

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

**Re: Closure Request and Reclamation Plan  
Hasta La Vista 1 DI Federal Com #001H  
Incident Number NAPP2524648926  
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 Hasta La Vista 1 DI Federal Com #001H (Site). The purpose of the remedial activities was to address impacts to soil following an illegal dump of crude oil. Based on field observations, field screening activities, 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 NAPP2524648926.

## **SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit C of Section 6, Township 20 South, Range 31 East, in Eddy County, New Mexico (32.608939°, -103.910354°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On September 3, 2025, an illegal dump at the Site resulted in the release of 17 barrels (bbls) of crude oil onto the surface of the northwest corner of the well pad and into the adjacent pasture area. No fluids were recovered. XTO immediately submitted a Notification of Release (NOR) on September 3, 2025, the same day the release was discovered, and subsequently submitted an Initial C-141 Application (C-141) on September 5, 2025, to the New Mexico Oil Conservation Division (NMOCD). The release was assigned Incident Number nAPP2524648926.

## **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 groundwater data is from a New Mexico Office of the State Engineer (NMOSE) soil boring, permitted well CP-722, located approximately 11,476 feet northeast of the Site. The soil boring was advanced to a depth of 220 feet bgs. The water bearing zone was first encountered at 103 feet bgs.

XTO Energy, Inc.  
Closure Request  
Hasta La Vista 1 DI Federal Com #001H



The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash located approximately 815 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). No other sensitive receptors were identified.

Based on the results of the Site Characterization, and NMOCD's preference that depth to groundwater data be obtained within a 0.5-mile radius of the Site and from within the last 25 years, 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

A reclamation requirement of 100 mg/kg TPH and 600 mg/kg chloride applies in the top 4 feet of areas where the release impacted soils in the pasture area.

## DELINEATION ACTIVITIES

Between September 18 and September 23, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. Fifteen delineation soil samples (SS01 through SS15) were collected within and around the release extent from ground surface to assess the lateral and vertical extent of the release. Four boreholes (SS01/BH01, SS03/BH02, SS04/BH03B, and SS06/BH04) were advanced via hand auger in the vicinity of their respective delineation soil sample to terminal depths ranging from 1-foot to 4 feet bgs within the release extent. Discrete delineation soil samples were collected from each borehole at depths ranging from 0.5 feet to 4 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld 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, and 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/ EPA 300.0.

Laboratory analytical results from delineation soil sample SS01 through SS06, collected within the release extent at ground surface, indicated TPH and/or chloride concentrations exceeded Site Closure Criteria. Laboratory analytical results for delineation soil samples SS07 through SS15, collected outside the release extent, indicated all COC concentrations were in compliance with Site Closure Criteria and reclamation requirements, successfully defining the lateral extent of the release. Laboratory analytical

XTO Energy, Inc.  
Closure Request  
Hasta La Vista 1 DI Federal Com #001H



results from delineation soil samples BH02 through BH04 indicated chloride and/or TPH concentrations exceeded the Closure Criteria at depths ranging from 1-foot bgs to 4 feet bgs. Laboratory results for delineation soil sample BH01 collected at 1-foot bgs indicated all COC concentrations were in compliance with Site Closure Criteria and reclamation requirements. Based on visible staining in the release area and delineation soil sample laboratory analytical results, 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 September 23, 2025. XTO received an approved Sundry, granting access to complete remediation on October 29, 2025. The approved Sundry is included in Appendix D.

Between November 10 and November 24, 2025, Ensolum personnel were at the Site to oversee excavation activities and conduct confirmation soil sampling. Excavation activities were performed using heavy equipment and transport vehicles. Excavation activities occurred on the northwest corner of the well pad and adjacent pasture areas. To direct excavation activities, Ensolum personnel field screened the soil for VOCs 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 FS61 were collected from the floor of the excavation at depths ranging from 1-foot to 5.5 feet bgs. Confirmation soil samples SW01 through SW10 were collected from the sidewalls of the excavation at depths ranging from ground surface to 5 feet bgs. The excavation extent and confirmation soil sample locations were mapped utilizing a Global Positioning System (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 and Eurofins for analysis of the same COCs listed previously.

The final excavation extent measured approximately 12,281 square feet. A total of approximately 1,402 cubic yards of impacted soil was removed during the excavation activities. The impacted soil is in the process of being properly disposed of at the R360 Halfway Disposal in Hobbs, New Mexico. Copies of all disposal manifests will be made available upon request. The final excavation will be backfilled with material purchased locally and recontoured to match pre-existing Site conditions and reseeded with the appropriate BLM seed mixture.

## LABORATORY ANALYTICAL RESULTS

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

XTO Energy, Inc.  
Closure Request  
Hasta La Vista 1 DI Federal Com #001H



## CLOSURE REQUEST

Excavation activities were conducted at the Site to address the September 2025 illegal dump of crude oil. 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 NAPP2524648926.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or [tmorrissey@ensolum.com](mailto: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  
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	Land Access References
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	Spill Volume Calculation





FIGURES



XTO Energy, Inc  
Hasta La Vista 1 DI Federal Com #001H  
Incident Number: nAPP2524648926  
Unit C, Section 06, T 20S, R 31E  
Eddy County, New Mexico

1



**Legend**

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- 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 12.5 25 50  
 Feet

Sources: Environmental Systems Research Institute (ESRI)

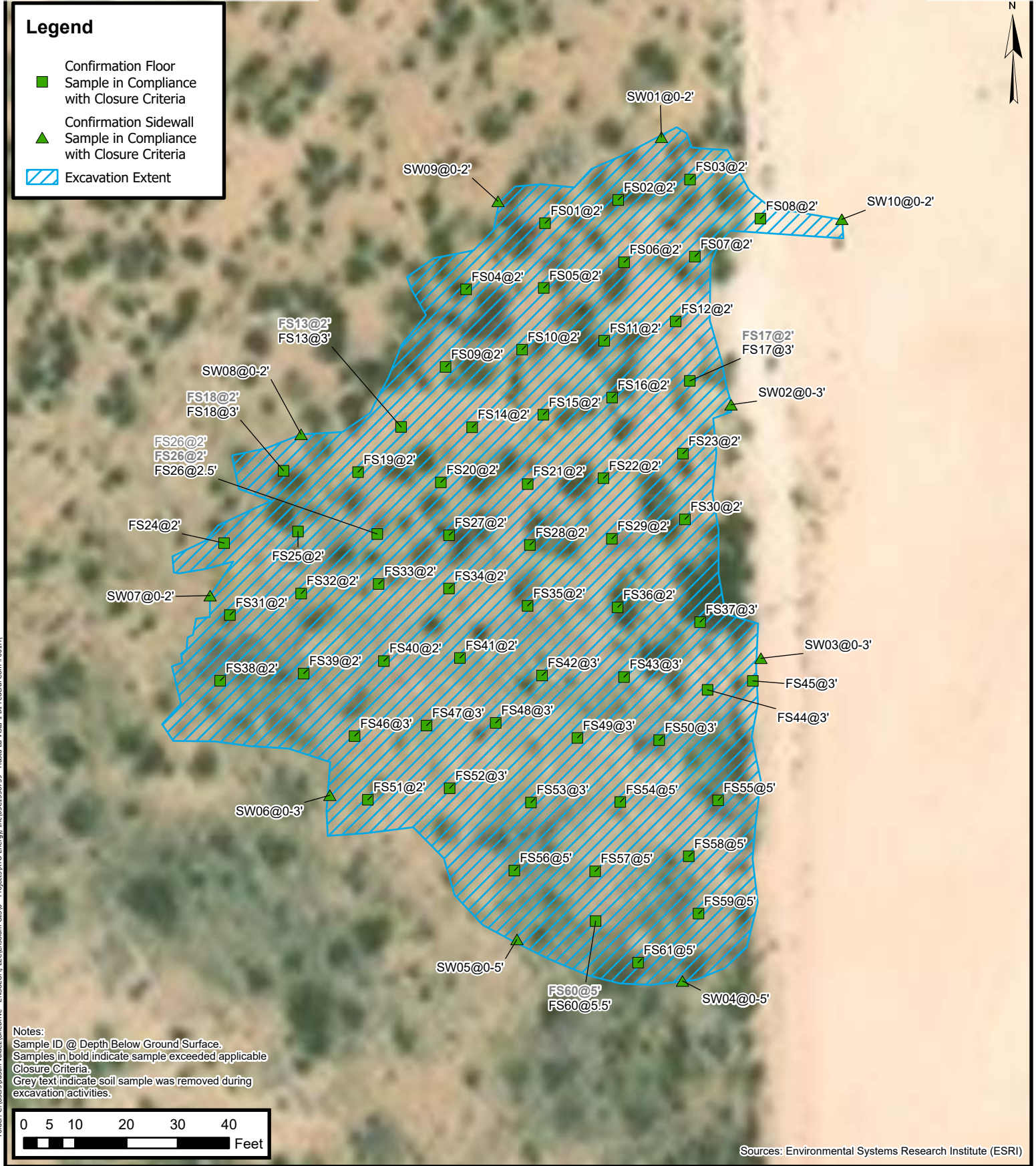


## Delineation Soil Sample Locations

XTO Energy, Inc  
 Hasta La Vista 1 DI Federal Com #001H  
 Incident Number: nAPP2524648926  
 Unit C, Section 06, T 20S, R 31E  
 Eddy County, New Mexico

**FIGURE**  
**2**





# Confirmation Soil Sample Location

XTO Energy, Inc  
Hasta La Vista 1 DI Federal Com #001H  
Incident Number: nAPP2524648926  
Unit C, Section 06, T 20S, R 31E  
Eddy County, New Mexico

FIGURE  
3





TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Hasta La Vista 1 DI Federal Com #001H**  
**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
Assessment Soil Samples										
SS01	09/18/2025	SURFACE	<0.050	<0.300	<10.0	1,290	323	1,290	1,613	1,420
BH01	09/23/2025	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	240
SS02	09/18/2025	SURFACE	<0.050	<0.300	<10.0	1,150	282	1,150	1,432	368
SS03	09/18/2025	SURFACE	<0.050	3.23	199	6,460	1,140	6,659	7,799	976
BH02	09/23/2025	4	<0.00200	0.0243	<49.9	175	<49.9	175	175	199
SS04	09/18/2025	SURFACE	<0.050	2.05	74.9	2,740	463	2,815	3,278	1,420
BH03B	09/23/2025	2-5	<0.00204	0.0722	<50.0	656	68.3	656	724	471
SS05	09/18/2025	SURFACE	<0.050	<0.300	<10.0	1,020	198	1,020	1,218	256
SS06	09/18/2025	SURFACE	<0.050	3.79	187	3,750	603	3,937	4,540	848
BH04A	09/23/2025	2	<0.00202	0.130	<49.8	129	<49.8	129	129	176
BH04C	09/23/2025	4	<0.00198	0.0505	<49.9	332	<49.9	332	332	297
SS07	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS08	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS09	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS10	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS11	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS12	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS13	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS14	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS15	09/18/2025	SURFACE	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Confirmation Floor Soil Samples										
FS01	11/10/2025	2	<0.050	<0.300	<10.0	38.8	16.9	38.8	55.7	32.0
FS02	11/10/2025	2	<0.050	<0.300	<10.0	25	10.5	25	35.5	<16.0
FS03	11/10/2025	2	<0.050	<0.300	<10.0	26.5	13	26.5	39.5	80.0
FS04	11/10/2025	2	<0.050	<0.300	<10.0	71.5	26.7	71.5	98.2	112
FS05	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS06	11/10/2025	2	<0.050	<0.300	<10.0	32.9	15.4	32.9	48.3	64.0
FS07	11/11/2025	2	<0.050	<0.300	<10.0	50.9	<10.0	50.9	50.9	80.0
FS08	11/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS09	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS10	11/10/2025	2	<0.050	<0.300	<10.0	31.6	<10.0	31.6	31.6	80.0





**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Hasta La Vista 1 DI Federal Com #001H**  
**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
FS11	11/10/2025	2	<0.050	<0.300	<10.0	64.7	12.2	64.7	76.9	192
FS12	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS13	11/10/2025	2	<0.050	<0.300	<10.0	99.3	44.9	99.3	144.2	128
FS13	11/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS14	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS15	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS16	11/10/2025	2	<0.050	<0.300	<10.0	16.1	<10.0	16.1	16.1	112
FS17	11/10/2025	2	<0.050	<0.300	<10.0	121	70.7	121	191.7	80.0
FS17	11/13/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS18	11/10/2025	2	<0.050	<0.300	<10.0	70.5	34.7	70.5	105.2	48.0
FS18	11/13/2025	3	<0.050	<0.300	<10.0	27.1	<10.0	27.1	27.1	64.0
FS19	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS20	11/10/2025	2	<0.050	<0.300	<10.0	45.0	<10.0	45.0	45.0	64.0
FS21	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS22	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS23	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS24	11/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS25	11/10/2025	2	<0.050	<0.300	<10.0	38.9	13.4	38.9	52.3	64.0
FS26	11/10/2025	2	<0.050	<0.300	<10.0	52.2	25.2	52.2	77.4	80.0
FS26	11/10/2025	2	<0.050	<0.300	<10.0	81.0	22.7	81.0	103.7	80.0
FS26	11/18/2025	2.5	<0.050	<0.300	<10.0	18.3	<10.0	18.3	18.3	64.0
FS27	11/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS28	11/18/2025	2	<0.050	<0.300	<10.0	13.1	<10.0	13.1	13.1	32.0
FS29	11/18/2025	2	<0.050	<0.300	<10.0	23.9	<10.0	23.9	23.9	80.0
FS30	11/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS31	11/18/2025	2	<0.050	<0.300	<10.0	34.9	<10.0	34.9	34.9	48.0
FS32	11/18/2025	2	<0.050	<0.300	<10.0	10.3	<10.0	10.3	10.3	128
FS33	11/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS34	11/18/2025	2	<0.050	<0.300	<10.0	10.2	<10.0	10.2	10.2	128
FS35	11/18/2025	2	<0.050	<0.300	<10.0	28.6	<10.0	28.6	28.6	64.0
FS36	11/18/2025	2	<0.050	<0.300	<10.0	19.3	<10.0	19.3	19.3	80.0
FS37	11/17/2025	3	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	<50.4	55.3



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Hasta La Vista 1 DI Federal Com #001H**  
**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
FS38	11/18/2025	2	<0.050	<0.300	<10.0	10.4	<10.0	10.4	10.4	48.0
FS39	11/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS40	11/18/2025	2	<0.050	<0.300	<10.0	30.7	<10.0	30.7	30.7	48.0
FS41	11/18/2025	2	<0.050	<0.300	<10.0	20.5	<10.0	20.5	20.5	80.0
FS42	11/17/2025	3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	29.0
FS43	11/17/2025	3	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	91.0
FS44	11/17/2025	3	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	151
FS45	11/17/2025	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	96.6
FS46	11/17/2025	3	<0.00198	<0.00396	<50.3	<50.3	<50.3	<50.3	<50.3	62.9
FS47	11/17/2025	3	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	82.3
FS48	11/17/2025	3	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	123
FS49	11/17/2025	3	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	64.2
FS50	11/17/2025	3	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	36.9
FS51	11/17/2025	2	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	128
FS52	11/17/2025	3	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	141
FS53	11/17/2025	3	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	47.4
FS54	11/17/2025	5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	71.9
FS55	11/14/2025	5	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	43.8
FS56	11/14/2025	5	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	172
FS57	11/17/2025	5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	133
FS58	11/17/2025	5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	132
FS59	11/17/2025	5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	68.2
FS60	11/18/2025	5	<0.050	<0.300	<10.0	99.3	14.7	99.3	114	80.0
FS60	11/24/2025	5.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS61	11/17/2025	5	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	<50.3	290
Confirmation Sidewall Soil Samples										
SW01	11/13/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW02	11/13/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW03	11/13/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW04	11/14/2025	0-5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	138
SW05	11/14/2025	0-5	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	238
SW06	11/14/2025	0-3	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	112



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Hasta La Vista 1 DI Federal Com #001H**  
**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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SW07	11/14/2025	0-2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	14.3
SW08	11/14/2025	0-2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	20.3
SW09	11/14/2025	0-2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	21.2
SW10	11/18/2025	0-2	<0.050	<0.300	<10.0	31.3	<10.0	31.3	31.3	64.0

## 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

---



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

SEP 21 2019 10:31:48

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1		WELL TAG ID NO. 20C1A		OSE FILE NO(S). CP-722			
	WELL OWNER NAME(S) G & L CATTLE, LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 2904 W 2ND ST				CITY ROS WELL	STATE NM	ZIP 88201	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 37	SECONDS 30	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	52	49	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SECTION    TOWNSHIP    RANGE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1753		NAME OF LICENSED DRILLER JACOB FRIESSEN			NAME OF WELL DRILLING COMPANY VANGUARD		
	DRILLING STARTED 8-28-20	DRILLING ENDED 8-28-20	DEPTH OF COMPLETED WELL (FT) 220	BORE HOLE DEPTH (FT) 220	DEPTH WATER FIRST ENCOUNTERED (FT) 100			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 150			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD    ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	-1	160	12.25	BLANK PVC SCH40	GLUE 6.56	6	.25	
	160	220	12.25	SCREEN PVC SHC40	GLUE 6.56	6	.25	.035
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	12.25	CONCRETE	11	POURED		
	20	220	12.25	3/8 GRAVEL	116	POURED		

FOR OSE INTERNAL USE

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

FILE NO. CP-722	POD NO. 4	TRN NO. 683034
LOCATION 433 T19S R31E Sec 28	WELL TAG ID NO. 20C1A	PAGE 1 OF 2


OGE 011 SEP 22 2020 PM 3:43

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	TOPSOIL	Y ✓ N	
	4	45	41	CALICHE	Y ✓ N	
	45	103	58	SAND & CLAY	Y ✓ N	
	103	119	16	GRAVEL	✓ Y N	
	119	217	98	SAND W/ CLAY STREAKS	✓ Y N	
	217	220	3	CLAY	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: WILHELM KRAHN	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 SIGNATURE OF DRILLER / PRINT SIGNED NAME	JACOB FRIESSEN 9-21-20 DATE

FOR OSE INTERNAL USE

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

FILE NO. CP-722	POD NO. 4	TRN NO. 683034
LOCATION 433 T19S R31E Sec28	WELL TAG ID NO. 20C1A	PAGE 2 OF 2





## APPENDIX B

### Photographic Log

---

**Photographic Log**

XTO Energy, Inc.  
Hasta La Vista 1 DI #001H  
Eddy County, New Mexico



Photograph: 1 Date: 9/18/2025  
Description: Delineation activities near SS02  
View: South



Photograph: 2 Date: 9/18/2025  
Description: Delineation activities near SS03  
View: East



Photograph: 3 Date: 9/23/2025  
Description: Additional delineation activities near BH03  
View: West



Photograph: 4 Date: 11/10/2025  
Description: Excavation activities near FS29  
View: North

**Photographic Log**

XTO Energy, Inc.  
Hasta La Vista 1 DI #001H  
Eddy County, New Mexico



Photograph: 5 Date: 11/10/2025  
Description: Excavation activities near SW01, FS03  
View: South



Photograph: 6 Date: 11/10/2025  
Description: Excavation activities near FS13, SW08  
View: South



Photograph: 7 Date: 11/11/2025  
Description: Excavation activities near FS09, FS08  
View: South



Photograph: 8 Date: 11/13/2025  
Description: Additional Excavation activities near FS17, SW02  
View: South



**Photographic Log**

XTO Energy, Inc.  
Hasta La Vista 1 DI #001H  
Eddy County, New Mexico

**North East**

☉ 48°NE (T) • 32.608926, -103.910611 ±9ft ▲ 3349ft



Hasta La Vista 1 DI Federal Com #001H  
11-13-2025 3:16:07 PM

**South East**

☉ 161°SE (T) • 32.608928, -103.910593 ±9ft ▲ 3349ft



Hasta La Vista 1 DI Federal Com #001H  
11-13-2025 3:16:10 PM

Photograph: 9                      Date: 11/13/2025  
Description: Additional excavation activities near FS18,  
FS13, SW08  
View: Northeast

Photograph: 10                      Date: 11/13/2025  
Description: Additional Excavation activities near FS18  
View: Southeast

**West**

☉ 271°W (T) • 32.608937, -103.910355 ±9ft ▲ 3339ft



Hasta La Vista 1 DI Federal Com #001H  
11-13-2025 3:17:16 PM

**North East**

☉ 78°NE (T) • 32.608727, -103.910487 ±9ft ▲ 3349ft



Hasta La Vista 1 DI Federal Com #001H  
11-13-2025 3:15:32 PM

Photograph: 11                      Date: 11/13/2025  
Description: Additional Excavation activities near FS26  
View: West

Photograph: 12                      Date: 11/13/2025  
Description: Excavation activities near FS60, FS61,  
SW04  
View: Northeast

**Photographic Log**

XTO Energy, Inc.  
Hasta La Vista 1 DI #001H  
Eddy County, New Mexico

**North West**

305°NW (T) • 32.608734, -103.910223 ±9ft ▲ 3353ft



Photograph: 13

Date: 11/14/2025

Description: Excavation activities near SW04, FS55

View: Northwest

**South West**

240°SW (T) • 32.608731, -103.910222 ±9ft ▲ 3349ft



Photograph: 14

Date: 11/14/2025

Description: Excavation activities near FS58, FS57

View: Southwest

247°SW (T) • 32.608898, -103.910257 ±6ft ▲ 3431ft



Photograph: 15

Date: 11/18/2025

Description: Additional excavation activities near FS60

View: Southwest

115°E (T) • 32.609063, -103.910308 ±9ft ▲ 3425ft



Photograph: 16

Date: 11/18/2025

Description: Excavation activities near FS08, SW10

View: East





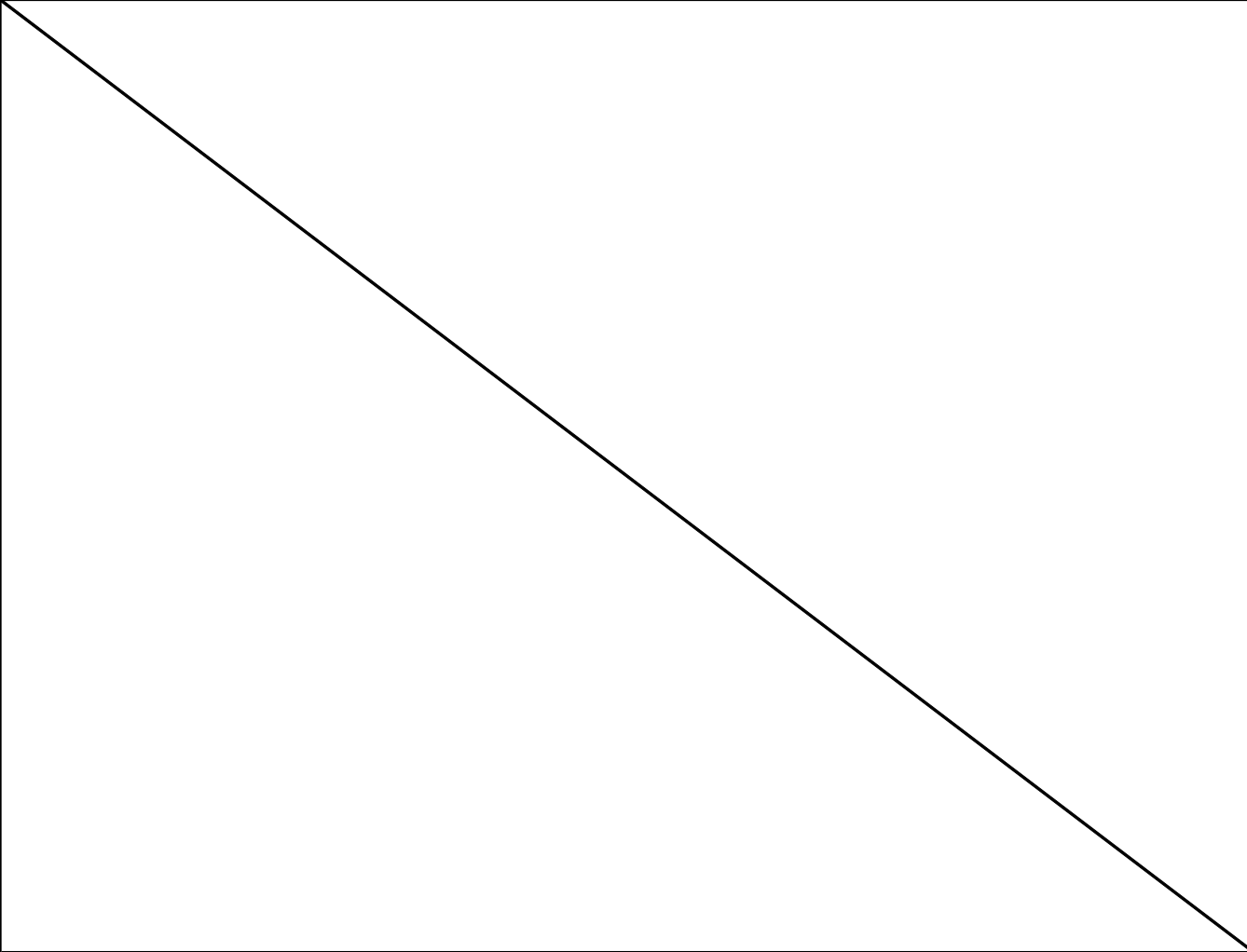
## APPENDIX C


### Lithologic Soil Sampling Logs


---



								Sample Name: SS01 - BH01		Date: 9/23/2025	
								Site Name: Hasta La Vista 1 DI Federal Com #001H			
								Incident Number: nAPP2524648926			
								Job Number: 03C1558739			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Evan Roe		Method: Hand Auger	
Coordinates: 32.609032, -103.910339								Hole Diameter: 3.5 inch		Total Depth: 2ft	
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 for chlorides is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
Dry	2368	3.1	N	SS01	0.5	0	SM	(0-0.5') SAND. Light brown. Fine. Uniform. Strong odor, no staining.			
Dry	229	4.5	N	BH01	1	1		(1-2') SAND. Brown. Fine. Uniform. Mild odor, no staining.			
Dry	464	3.7	N		1	2					
Total Depth @ 2 Feet											
<div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div>											

		Sample Name: SS03 - BH02		Date: 9/23/2025				
		Site Name: Hasta La Vista 1 DI Federal Com #001H						
		Incident Number: nAPP2524648926						
		Job Number: 03C1558739						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.608854, -103.910524			Logged By: Evan Roe		Method: Hand Auger			
			Hole Diameter: 3.5 inch		Total Depth: 2ft			
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 for chlorides is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
Dry	1433	153.3	N	SS03	0.5	0	SM	(0-0.5') SAND. Light brown. Fine. Uniform. Strong odor, no staining.
Dry	<162	75.0	N	BH02	1	1		(0.5-1') SAND. Brown. Fine. Uniform. Mild odor, no staining.
Dry	364	22.1	N		2	2		(1-2') SAND. Brown. Fine. Uniform with some stones. Mild odor, no staining.
						Total Depth @ 2 Feet		
								

								Sample Name: SS04 - BH03		Date: 9/23/2025			
								Site Name: Hasta La Vista 1 DI Federal Com #001H					
								Incident Number: nAPP2524648926					
								Job Number: 03C1558739					
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Evan Roe		Method: Hand Auger			
Coordinates: 32.608821, -103.910351								Hole Diameter: 3.5 inch		Total Depth: 2.5ft			
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 for chlorides is included.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
Dry	2060	121.7	N	SS04	0.5	0	SM	(0-0.5') SAND. Light brown. Fine. Uniform. Strong odor, no staining.					
Dry	<162	80.3	N		1	1		(1-2') SAND. Brown. Uniform. Mild odor, no staining.					
Dry	162	77.9	N		2	2		(2-2.5') SAND. Grey. Uniform. Fine with stones. Strong odor, no staining.					
Dry	408	71.9	N	BH03B	2.5								
Total Depth @ 2.5 Feet													
<div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div>													

								Sample Name: SS06 - BH04		Date: 9/23/2025	
								Site Name: Hasta La Vista 1 DI Federal Com #001H			
								Incident Number: nAPP2524648926			
								Job Number: 03C1558739			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Evan Roe		Method: Hand Auger	
Coordinates: 32.6087157, -103.9103191								Hole Diameter: 3.5 inch		Total Depth: 4ft	
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 for chlorides is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
Dry	1327	167.6	N	SS06	0.5	0	SM	(0-3') SAND. Light brown. Fine. Uniform. Strong odor, no staining.  (3-4') SAND. Grey. Fine with stones. Strong odor. No staining.			
Dry	162	100.8	N		1	1					
Dry	<162	72.4	N	BH04A	2	2					
Dry	<162	90.1	N		3	3					
Dry	162	93.3	N	BH04C	4	4					
Total Depth @ 4 Feet											
<div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div>											



## APPENDIX D

### Land Access References

---

Well Name: HASTA LA VISTA 1 DI FED COM	Well Location: T20S / R31E / SEC 6 / LOT 3 / 32.363116 / -103.543449	County or Parish/State: EDDY / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM130862	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001542533	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2875265

Type of Submission: Notice of Intent      Type of Action: Other

Date Sundry Submitted: 09/23/2025      Time Sundry Submitted: 02:45

Date proposed operation will begin: 10/07/2025

**Procedure Description:** XTO Permian Operating LLC., respectfully requests access to an off-pad pasture area, adjacent to an active lease pad, located approximately 222 feet west of the Hasta La Vista 1 DI Federal Com #001H well. Access is needed in order to complete remediation activities related to an illegal oil dump that occurred on September 3, 2025 (Incident Number nAPP2524648926). The Hasta La Vista 1 Federal Com #001H well is the closest XTO operated well located on BLM land. The illegal dump occurred at GPS 32.608939, -103.910354 along the northwest corner of the pad and pasture area. Excavation of impacted soil is needed utilizing heavy equipment (backhoe, trackhoe, loader, and hydrovacuum truck). After successful completion of remediation efforts, the disturbed area will be backfilled with top soil 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. Please see attached Site Map for requested disturbance area.

Surface Disturbance

Is any additional surface disturbance proposed?: Yes

Proposed Disturbance(acres): 0.92      Interim Reclamation (acres): 0.0      Long Term Disturbance (acres): 0.0

Surface Disturbance:

NOI Attachments

Procedure Description

Requested\_Disturbance\_Site\_Map\_\_\_nAPP2524648926\_20250923144249.pdf



Received by OCD: 12/1/2025 2:18:21 PM

Page 29 of 260

Well Name: HASTA LA VISTA 1 DI FED COM	Well Location: T20S / R31E / SEC 6 / LOT 3 / 32.363116 / -103.543449	County or Parish/State: EDDY / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM130862	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001542533	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: SEP 23, 2025 02:44 PM
Name: XTO PERMIAN OPERATING LLC	
Title: Regulatory Analyst	
Street Address: 6401 HOLIDAY HILL ROAD BLDG 5	
City: MIDLAND	State: 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. NMNM130862  
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, TX 79707  
Phone No. (include area code) (432) 683-2277

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
SEC 6/T20S/R31E/NMP

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
HASTA LA VISTA 1 DI FED COM/1H

9. API Well No. 3001542533

10. Field and Pool or Exploratory Area  
BONE SPRINGS/BONE SPRINGS

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				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleation 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., respectfully requests access to an off-pad pasture area, adjacent to an active lease pad, located approximately 222 feet west of the Hasta La Vista 1 DI Federal Com #001H well. Access is needed in order to complete remediation activities related to an illegal oil dump that occurred on September 3, 2025 (Incident Number nAPP2524648926). The Hasta La Vista 1 Federal Com #001H well is the closest XTO operated well located on BLM land. The illegal dump occurred at GPS 32.608939, -103.910354 along the northwest corner of the pad and pasture area. Excavation of impacted soil is needed utilizing heavy equipment (backhoe, trackhoe, loader, and hydrovacuum truck). After successful completion of remediation efforts, the disturbed area will be backfilled with top soil 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. Please see attached Site Map for requested disturbance area.

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 09/23/2025

**THE SPACE FOR FEDERAL OR STATE OFICE USE**

Approved by CRISHA A MORGAN / Ph: (575) 234-5987 / Approved	Title Environmental Protection Specialist	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: LOT 3 / 330 FNL / 2280 FWL / TWSP: 20S / RANGE: 31E / SECTION: 6 / LAT: 32.363116 / LONG: -103.543449 ( TVD: 0 feet, MD: 0 feet )

PPP: LOT 3 / 330 FNL / 2280 FWL / TWSP: 20S / RANGE: 31E / SECTION: 6 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )




BHL: LOT 4 / 657 FNL / 546 FWL / TWSP: 20S / RANGE: 30E / SECTION: 1 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )



# Hasta La Vista 1 DI Federal Com #001H

Requested Area of Disturbance

## Legend

-  Hasta La Vista 1 DI Federal Com #001H
-  Release Extent - nAPP2524648926
-  Requested Area of Disturbance

nAPP2524648926  
nAPP2524648926

Hasta La Vista 1 DI Fed Com #001H  
Hasta La Vista 1 DI Fed Com #001H







## APPENDIX E

### Laboratory Analytical Reports & Chain of Custody Documentation

---



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

November 26, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HASTA LA VISTA DI FEDERAL COM #001H

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

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

Mike Snyder For 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:	11/25/2025	Sampling Date:	11/24/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS60 5.5' (H257405-01)**

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2025	ND	2.20	110	2.00	1.18	
Toluene*	<0.050	0.050	11/25/2025	ND	2.14	107	2.00	1.31	
Ethylbenzene*	<0.050	0.050	11/25/2025	ND	2.04	102	2.00	1.56	
Total Xylenes*	<0.150	0.150	11/25/2025	ND	6.19	103	6.00	1.22	
Total BTEX	<0.300	0.300	11/25/2025	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/26/2025	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2025	ND	192	96.0	200	11.2	
DRO >C10-C28*	<10.0	10.0	11/25/2025	ND	189	94.4	200	13.3	
EXT DRO >C28-C36	<10.0	10.0	11/25/2025	ND					

Surrogate: 1-Chlorooctane 68.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 66.1 % 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.

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



---

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

---

### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=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.

A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For 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

Project Manager: Jeremy Rich

Address: 3122 National Parks Hwy

City: Carlsbad

State: NM Zip: 88220

Phone #: 432 216 0617

Fax #:

Project #: 03C1558739

Project Owner: XTO

Project Name: Hoya La Vista 1 DE Federal Cont 01H

Project Location: 32.608939 -103.910354

Sampler Name: Joshua Bexley

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: XTO Energy Inc

Attn: Dale Wadell

Address: 3104 E Green St

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

FOR LAB USE ONLY

MATRIX

PRESERV

SAMPLING

Lab I.D. Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chlorides

TPH

BTEX

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

Relinquished By:

Date:

Received By:

Relinquished By:

Date:

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition Cool Intact

CHECKED BY: (Initials)

Turnaround Time: 24 hr

Thermometer ID: #1436

Correction Factor: +0.3c

Bacteria (only) Sample Condition Cool Intact

Observed Temp. °C

Corrected Temp. °C

FORM 006 R 3.2 10/07/21

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





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

September 23, 2025

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

RE: HASTA LA VISTA

Enclosed are the results of analyses for samples received by the laboratory on 09/19/25 9:37.

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](http://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, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 1 SURFACE (H255877-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEx	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.8 % 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	1420	16.0	09/22/2025	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	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	1290	10.0	09/22/2025	ND	229	114	200	0.968	QR-03
EXT DRO >C28-C36	323	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 139 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 2 SURFACE (H255877-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEx	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/22/2025	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	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	1150	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	282	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 130 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 3 SURFACE (H255877-03)**

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	09/22/2025	ND	1.56	78.1	2.00	9.20	
Toluene*	0.139	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43	
Ethylbenzene*	0.277	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92	GC-NC1
Total Xylenes*	2.81	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53	GC-NC1
Total BTEX	3.23	0.300	09/22/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	976	16.0	09/22/2025	ND	416	104	400	3.77	

TPH 8015M	mg/kg	Analyzed By: ms						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	199	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	6460	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	1140	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 114 % 52.4-130

Surrogate: 1-Chlorooctadecane 171 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 4 SURFACE (H255877-04)**

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	09/22/2025	ND	1.56	78.1	2.00	9.20	
Toluene*	0.156	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43	
Ethylbenzene*	0.194	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92	GC-NC1
Total Xylenes*	1.70	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53	GC-NC1
Total BTEX	2.05	0.300	09/22/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1420	16.0	09/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	74.9	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	2740	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	463	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 104 % 52.4-130

Surrogate: 1-Chlorooctadecane 176 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 5 SURFACE (H255877-05)**

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	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/22/2025	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	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	1020	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	198	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 120 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 6 SURFACE (H255877-06)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20	
Toluene*	<b>0.154</b>	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43	
Ethylbenzene*	<b>0.343</b>	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92	GC-NC1
Total Xylenes*	<b>3.29</b>	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53	GC-NC1
Total BTEx	<b>3.79</b>	0.300	09/22/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 151 % 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	<b>848</b>	16.0	09/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>187</b>	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<b>3750</b>	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<b>603</b>	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 118 % 52.4-130

Surrogate: 1-Chlorooctadecane 202 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 7 SURFACE (H255877-07)**

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	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.2 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 8 SURFACE (H255877-08)**

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	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEx	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.7 % 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	32.0	16.0	09/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.2 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 9 SURFACE (H255877-09)**

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	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 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	09/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.7 % 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: 09/19/2025  
Reported: 09/23/2025  
Project Name: HASTA LA VISTA  
Project Number: 03C1558739  
Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SS 10 SURFACE (H255877-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 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	16.0	16.0	09/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 103 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 11 SURFACE (H255877-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.1 % 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	09/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.5 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 12 SURFACE (H255877-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 66.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.2 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 13 SURFACE (H255877-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 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	09/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.7 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 14 SURFACE (H255877-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 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	09/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.2 % 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: 09/19/2025  
 Reported: 09/23/2025  
 Project Name: HASTA LA VISTA  
 Project Number: 03C1558739  
 Project Location: XTO 32.608939, -103.910354

Sampling Date: 09/18/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 15 SURFACE (H255877-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2025	ND	1.56	78.1	2.00	9.20		
Toluene*	<0.050	0.050	09/22/2025	ND	1.68	83.8	2.00	6.43		
Ethylbenzene*	<0.050	0.050	09/22/2025	ND	1.70	85.1	2.00	4.92		
Total Xylenes*	<0.150	0.150	09/22/2025	ND	4.99	83.2	6.00	4.53		
Total BTEX	<0.300	0.300	09/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.8 % 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	16.0	16.0	09/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	207	104	200	0.856	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	229	114	200	0.968	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.6 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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.

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

Page 6 of 6

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



Page 2 of 2

**BILL TO**

[illegible]

Relinquished By:

Received By:

Relinquished By:

Date:

Received By:

Delivered By: (Circle One)

Observed Temp. °C 1.9

Sample Condition

**CHECKED BY:**

Turnaround Time:

Standard



Bacteria (only) Sample Condition

FORM-006 R 3.6 02/12/25

corrected temp. 22.2

<input checked="" type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	Yes
<input type="checkbox"/>	No	<input type="checkbox"/>	No

2

Thermometer ID #140  
Correction Factor +0.3°C

48n

<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	Corrected Temp °C
<input type="checkbox"/> No	<input type="checkbox"/> No	

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)





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

November 12, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HASTA LA VISTA 1 DI FED COM #001H - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 11/11/25 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 01 2 (H257099-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/11/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.58	110	6.00	0.905		
Total BTEX	<0.300	0.300	11/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	32.0	16.0	11/12/2025	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	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	38.8	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	16.9	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.6 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 02 2 (H257099-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/11/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.58	110	6.00	0.905		
Total BTEX	<0.300	0.300	11/11/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/12/2025	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	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	25.0	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	10.5	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.0 % 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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 03 2 (H257099-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/11/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.58	110	6.00	0.905		
Total BTEX	<0.300	0.300	11/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	80.0	16.0	11/12/2025	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	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	26.5	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	13.0	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 90.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.9 % 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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 04 2 (H257099-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/11/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.58	110	6.00	0.905		
Total BTEX	<0.300	0.300	11/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	112	16.0	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	71.5	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	26.7	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 59.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 59.9 % 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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 05 2 (H257099-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/11/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.58	110	6.00	0.905		
Total BTEX	<0.300	0.300	11/11/2025	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	48.0	16.0	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	<10.0	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.0 % 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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 06 2 (H257099-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/11/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.58	110	6.00	0.905		
Total BTEx	<0.300	0.300	11/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	32.9	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	15.4	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.6 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 13 2 (H257099-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/11/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.58	110	6.00	0.905		
Total BTEX	<0.300	0.300	11/11/2025	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	128	16.0	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	99.3	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	44.9	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.5 % 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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 17 2 (H257099-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/11/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.58	110	6.00	0.905		
Total BTEX	<0.300	0.300	11/11/2025	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	80.0	16.0	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	121	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	70.7	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.6 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 18 2 (H257099-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/12/2025	ND	2.23	111	2.00	0.319		
Toluene*	<0.050	0.050	11/12/2025	ND	2.22	111	2.00	0.772		
Ethylbenzene*	<0.050	0.050	11/12/2025	ND	2.19	109	2.00	0.918		
Total Xylenes*	<0.150	0.150	11/12/2025	ND	6.58	110	6.00	0.905		
Total BTEX	<0.300	0.300	11/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	70.5	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	34.7	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.4 % 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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 24 2 (H257099-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.11	105	2.00	2.05		
Toluene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.486		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.07	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.22	104	6.00	0.966		
Total BTEX	<0.300	0.300	11/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	<10.0	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.1 % 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

---

### Notes and Definitions

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

---

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.

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

<b>Company Name:</b> Ensolum, LLC <b>Project Manager:</b> Jeremy Reich <b>Address:</b> 601 N Marientfeld Street, Suite 400 <b>City:</b> Midland <b>State:</b> TX <b>Zip:</b> 79701 <b>Phone #:</b> 432-296-0627 <b>Fax #:</b> <b>Project #:</b> 03C1558739 <b>Project Owner:</b> XTO <b>Project Name:</b> Hasia la Vista 1 DI Fed Com #001H <b>-SPILLS</b> <b>Project Location:</b> 32.608939, -103.910354 <b>Sampler Name:</b> Evan Roe				<b>P.O. #:</b> <b>Company:</b> XTO Energy, Inc <b>Attn:</b> Robert Woodall <b>Address:</b> 3104 E Greene St <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> <b>Fax #:</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>							
FOR LAB USE ONLY																			
<b>Lab I.D.</b> H457099		<b>Sample I.D.</b>		<b>Depth (feet)</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV</b>		<b>SAMPLING</b>					
FS 01		2		C		✓				GROUNDWATER		✓		DATE TIME					
FS 02		2		C		✓				WASTEWATER		✓		11/10/2025 1401					
FS 03		2		C		✓				SOIL		✓		11/10/2025 1411					
FS 04		2		C		✓				OIL		✓		11/10/2025 1414					
FS 05		2		C		✓				SLUDGE		✓		11/10/2025 1417					
FS 06		2		C		✓				OTHER :		✓		11/10/2025 1421					
FS 13		2		C		✓				ACID/BASE:		✓		11/10/2025 1423					
FS 17		2		C		✓				ICE / COOL		✓		11/10/2025 1320					
FS 18		2		C		✓				OTHER :		✓		11/10/2025 1317					
FS 24		2		C		✓						✓		11/10/2025 1307					
		2		C		✓						✓		11/10/2025 1259					
PLEASE NOTE: Liability and Damages. Customers liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal. Appointments of whether such claim is based upon any of the above stated reasons or otherwise.												TPH 8015 M/D BTEX 8021B Chloride SM4500							
<b>Relinquished By:</b> [Signature]				<b>Date:</b> 11-11-25				<b>Received By:</b> [Signature]				<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add Phone #:</b>							
<b>Relinquished By:</b> [Signature]				<b>Date:</b> 11-11-25				<b>Received By:</b> [Signature]				<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add Phone #:</b>							
<b>Delivered By: (Circle One)</b>				<b>Observed Temp. °C</b> 1.8				<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				<b>CHECKED BY:</b> [Signature]							
<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				<b>Thermometer ID #140</b>				<b>Correction Factor +0.3°C</b>				<b>Bacteria (only) Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
<b>REMARKS:</b> Incident Number: NAPP2524648926 Cost Center: 1141001001				All Results are emailed. Please provide Email address: jreich@ensolum.com thillard@ensolum.com, kthomason@ensolum.com bbeill@ensolum.com, tmorrissey@ensolum.com				Incident Number: NAPP2524648926 Cost Center: 1141001001				Incident Number: NAPP2524648926 Cost Center: 1141001001							



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

November 12, 2025

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

RE: HASTA LA VISTA 1 DI FED COM #001H - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 11/11/25 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 25 2 (H257100-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.11	105	2.00	2.05		
Toluene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.486		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.07	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.22	104	6.00	0.966		
Total BTEX	<0.300	0.300	11/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	38.9	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	13.4	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 66.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.8 % 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:	11/11/2025	Sampling Date:	11/10/2025
Reported:	11/12/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 26 2 (H257100-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2025	ND	2.11	105	2.00	2.05		
Toluene*	<0.050	0.050	11/11/2025	ND	2.19	109	2.00	0.486		
Ethylbenzene*	<0.050	0.050	11/11/2025	ND	2.07	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	11/11/2025	ND	6.22	104	6.00	0.966		
Total BTEX	<0.300	0.300	11/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	11/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2025	ND	186	93.1	200	7.18	
DRO >C10-C28*	52.2	10.0	11/11/2025	ND	192	95.9	200	4.69	
EXT DRO >C28-C36	25.2	10.0	11/11/2025	ND					

Surrogate: 1-Chlorooctane 66.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 65.6 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=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.

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

---

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:		BILL TO										ANALYSIS REQUEST																																	
Project Manager: Jeremy Reich		Company: XTO Energy, Inc.																																													
Address: 601 N Marientfeld Street, Suite 400		Attn: Robert Woodall																																													
City: Midland		Address: 3104 E Greene St																																													
Phone #: 432-296-0627		City: Carlsbad																																													
Fax #: 321-1558739		State: NM																																													
Project #: 03C1558739		Zip: 88220																																													
Project Name: Hasta la Vista 1 DI Fed Com #001H		Phone #:																																													
Project Location: 32.608939, -103.910354		Fax #:																																													
Sampler Name: Evan Roe																																															
FOR LAB USE ONLY																																															
Lab I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH 8015 M/D		BTEX 8021B		Chloride SM4500											
H2S 7100		1		FS 25		2		C		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓											
2		FS 26		2		C		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓											



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

November 17, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HASTA LA VISTA DI FEDERAL COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 11/14/25 9:38.

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](http://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:	11/14/2025	Sampling Date:	11/13/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 13 3 (H257173-01)**

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	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 72.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.7 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 11/14/2025  
Reported: 11/17/2025  
Project Name: HASTA LA VISTA DI FEDERAL COM #001  
Project Number: 03C1558739  
Project Location: XTO 32.608939, -103.910354

Sampling Date: 11/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 17 3 (H257173-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEx	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	96.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 76.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.4 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/14/2025	Sampling Date:	11/13/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 18 3 (H257173-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	64.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	27.1	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 58.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 59.1 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 11/14/2025  
Reported: 11/17/2025  
Project Name: HASTA LA VISTA DI FEDERAL COM #001  
Project Number: 03C1558739  
Project Location: XTO 32.608939, -103.910354

Sampling Date: 11/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 01 0-2 (H257173-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	64.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.3 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 11/14/2025  
Reported: 11/17/2025  
Project Name: HASTA LA VISTA DI FEDERAL COM #001  
Project Number: 03C1558739  
Project Location: XTO 32.608939, -103.910354

Sampling Date: 11/13/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW 02 0-3 (H257173-05)**

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	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 70.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.4 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/14/2025	Sampling Date:	11/13/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: SW 03 0-3 (H257173-06)**

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	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.7 % 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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=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.

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

---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 9 of 9



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

November 17, 2025

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

RE: HASTA LA VISTA 1 DI FED COM #001H - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 11/14/25 9:54.

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](http://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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 07 2 (H257174-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765	
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13	
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883	
Total BTEX	<0.300	0.300	11/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	80.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	50.9	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 72.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.3 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 09 2 (H257174-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 75.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.3 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 10 2 (H257174-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	80.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	31.6	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.1 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 11 2 (H257174-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	64.7	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	12.2	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 69.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.3 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 12 2 (H257174-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	48.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.7 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 14 2 (H257174-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	48.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 66.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 66.8 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 15 2 (H257174-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 72.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.4 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 16 2 (H257174-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	16.1	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.6 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 19 2 (H257174-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	80.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.0 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 20 2 (H257174-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	45.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.8 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 21 2 (H257174-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 69.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 68.7 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 22 2 (H257174-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.9 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 23 2 (H257174-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	0.765		
Toluene*	<0.050	0.050	11/14/2025	ND	2.10	105	2.00	2.13		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	2.03	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	6.08	101	6.00	0.883		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/14/2025	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	11/14/2025	ND	172	85.9	200	2.67	
DRO >C10-C28*	<10.0	10.0	11/14/2025	ND	176	88.0	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.4 % 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:	11/14/2025	Sampling Date:	11/11/2025
Reported:	11/17/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 DI FED COM #001H -	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 26 2 (H257174-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2025	ND	1.93	96.7	2.00	1.47		
Toluene*	<0.050	0.050	11/14/2025	ND	1.97	98.7	2.00	0.422		
Ethylbenzene*	<0.050	0.050	11/14/2025	ND	1.92	95.8	2.00	0.561		
Total Xylenes*	<0.150	0.150	11/14/2025	ND	5.75	95.8	6.00	0.353		
Total BTEX	<0.300	0.300	11/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	80.0	16.0	11/14/2025	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	11/14/2025	ND	218	109	200	0.741	
DRO >C10-C28*	81.0	10.0	11/14/2025	ND	218	109	200	3.05	
EXT DRO >C28-C36	22.7	10.0	11/14/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.6 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



---

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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=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.

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Ensolum, LLC <b>Project Manager:</b> Jeremy Reich <b>Address:</b> 601 N Marlenfeld Street, Suite 400 <b>City:</b> Midland <b>State:</b> TX <b>Zip:</b> 79701 <b>Phone #:</b> 432-296-0627 <b>Fax #:</b> <b>Project #:</b> 03C1558739 <b>Project Owner:</b> XTO <b>Project Name:</b> Hasta la Vista 1 DI Fed Com #001H <b>-SPILLS</b> <b>Project Location:</b> 32.608939, -103.910354 <b>Sampler Name:</b> Evan Roe				<b>P.O. #:</b> <b>Company:</b> XTO Energy, Inc <b>Attn:</b> Robert Woodall <b>Address:</b> 3104 E Greene St <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> <b>Fax #:</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
---	--	--	--	---	--	--	--	----------------	--	--	--	-------------------------	--	--	--

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:
HS7114		2	C	✓			✓					11/11/2025	1315	✓	✓	✓
		2	C	✓			✓					11/11/2025	1405	✓	✓	✓
		2	C	✓			✓					11/11/2025	1410	✓	✓	✓
		2	C	✓			✓					11/11/2025	1415	✓	✓	✓

<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> <b>Sample I.D.</b> <b>Depth (feet)</b> <b>(G)RAB OR (C)OMP</b> <b># CONTAINERS</b> <b>MATRIX</b> <b>GROUNDWATER</b> <b>WASTEWATER</b> <b>SOIL</b> <b>OIL</b> <b>SLUDGE</b> <b>OTHER :</b> <b>ACID/BASE:</b> <b>ICE / COOL</b> <b>OTHER :</b> <b>DATE</b> <b>TIME</b>		<b>PRESERV</b> <b>SAMPLING</b>	
---	--	-----------------------------------	--

<b>PLEASE NOTE:</b> Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated theories or otherwise.		<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> 11/24/25 <b>Time:</b> 8:07 <b>Received By:</b> <i>[Signature]</i> <b>Date:</b> 11-14-25 <b>Time:</b> 8:07 <b>Received By:</b> <i>[Signature]</i>	
<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> 11-14-25 <b>Time:</b> 8:07 <b>Received By:</b> <i>[Signature]</i>		<b>Turnaround Time:</b> <i>[Signature]</i> <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/> <b>Cost Center:</b> 1141001001 <b>Incident Number:</b> NAPP2524648926 <b>Cost Center:</b> 1141001001	

<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>All Results are emailed. Please provide Email address:</b> jreich@ensolum.com <b>Thillard@ensolum.com, KThomason@ensolum.com</b> <b>BBell@ensolum.com, TMorrissey@ensolum.com</b> <b>REMARKS:</b> <b>Incident Number:</b> NAPP2524648926 <b>Cost Center:</b> 1141001001		<b>Thermometer ID #140</b> <input checked="" type="checkbox"/> <b>Standard</b> <input type="checkbox"/> <b>Correction Factor +0.3°C</b> <input type="checkbox"/> <b>24h</b> <input type="checkbox"/> <b>Bacteria (only) Sample Condition</b> <b>Good Intact</b> <input type="checkbox"/> <b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>	
---	--	---	--



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

November 19, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HASTA LA VISTA DI FEDERAL COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/25 14:51.

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](http://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:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 08 2 (H257254-01)**

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	11/18/2025	ND	2.06	103	2.00	0.936	
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19	
Total BTX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 74.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 68.5 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 26 2.5 (H257254-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	18.3	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 27 2 (H257254-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.7 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 28 2 (H257254-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	13.1	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.8 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 29 2 (H257254-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	23.9	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.8 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 30 2 (H257254-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.3 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 31 2 (H257254-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	34.9	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.8 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 32 2 (H257254-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	10.3	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.0 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 33 2 (H257254-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.1 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 34 2 (H257254-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	10.2	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.9 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 35 2 (H257254-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	28.6	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 75.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.5 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 36 2 (H257254-12)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	19.3	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.5 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 11/18/2025  
Reported: 11/19/2025  
Project Name: HASTA LA VISTA DI FEDERAL COM #001  
Project Number: 03C1558739  
Project Location: XTO 32.608939, -103.910354

Sampling Date: 11/18/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 38 2 (H257254-13)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936	
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19	
Total BTEX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	10.4	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.2 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 39 2 (H257254-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	80.0	16.0	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.9 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 40 2 (H257254-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	30.7	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.4 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 41 2 (H257254-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	20.5	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.9 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: FS 60 5 (H257254-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	99.3	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	14.7	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.7 % 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  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	11/18/2025	Sampling Date:	11/18/2025
Reported:	11/19/2025	Sampling Type:	Soil
Project Name:	HASTA LA VISTA DI FEDERAL COM #001	Sampling Condition:	Cool & Intact
Project Number:	03C1558739	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.608939, -103.910354		

**Sample ID: SW 10 0-2 (H257254-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.06	103	2.00	0.936		
Toluene*	<0.050	0.050	11/18/2025	ND	2.14	107	2.00	1.47		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.04	102	2.00	2.04		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.16	103	6.00	1.19		
Total BTEx	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/19/2025	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	11/18/2025	ND	222	111	200	1.40	
DRO >C10-C28*	31.3	10.0	11/18/2025	ND	227	114	200	0.403	
EXT DRO >C28-C36	<10.0	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.7 % 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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

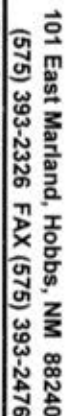
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived 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.

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

---

Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

28-



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Jeremy Rich

P.O. #:

Address: 3122 National Parks Hwy

Company: XTO Energy Inc

City: Carlsbad

State: NM Zip: 88220

Attn: Dale Woodall

Phone #: 432-296-0617

Fax #:

Address: 3104 E Green St

Project #: 03C1558739

Project Owner: XTO

City: Carlsbad

Project Name: Hoya La Vista 1 DE Federal Cor 01H

State: NM Zip: 88220

Project Location: 32.608939, -103.910354

Phone #:

Sampler Name: Joshua Baxley

Fax #:

FOR LAB USE ONLY

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

Lab I.D.

Sample I.D.

Depth (feet)

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

11

F535

2

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

12

F536

2

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

13

F538

1

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

14

F539

1

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

15

F540

1

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

16

F541

2

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

17

F560

5

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

TPH

BTEX

18

SW10

0-2

(S)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:





Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 9/25/2025 12:54:02 PM

## JOB DESCRIPTION

HASTA LA VISTA  
03C1558739

## JOB NUMBER

890-8851-1

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  
9/25/2025 12:54:02 PM

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

Client: Ensolum  
Project/Site: HASTA LA VISTA

Laboratory Job ID: 890-8851-1  
SDG: 03C1558739

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	10
QC Sample Results . . . . .	11
QC Association Summary . . . . .	15
Lab Chronicle . . . . .	17
Certification Summary . . . . .	19
Method Summary . . . . .	20
Sample Summary . . . . .	21
Chain of Custody . . . . .	22
Receipt Checklists . . . . .	23

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

Definitions/Glossary

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: HASTA LA VISTA

Job ID: 890-8851-1

**Job ID: 890-8851-1**

**Eurofins Carlsbad**

### Job Narrative 890-8851-1

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

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

### Receipt

The samples were received on 9/23/2025 4:31 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 3.4°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH 01 (890-8851-1), BH 02 (890-8851-2), BH 03B (890-8851-3), BH 04A (890-8851-4) and BH 04C (890-8851-5).

### GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH 01 (890-8851-1), BH 02 (890-8851-2), BH 03B (890-8851-3), BH 04A (890-8851-4), BH 04C (890-8851-5), (CCV 880-119630/20), (CCV 880-119630/33), (CCV 880-119630/51), (LCSD 880-119636/2-A), (890-8842-A-1-F) and (890-8842-A-1-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119636 and analytical batch 880-119630 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

### Diesel Range Organics

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

### HPLC/IC

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

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

Client Sample ID: BH 01

Lab Sample ID: 890-8851-1

Date Collected: 09/23/25 12:20

Matrix: Solid

Date Received: 09/23/25 16:31

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/24/25 19:00	09/24/25 23:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/24/25 19:00	09/24/25 23:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		09/24/25 19:00	09/24/25 23:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/24/25 19:00	09/24/25 23:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		09/24/25 19:00	09/24/25 23:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/24/25 19:00	09/24/25 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	09/24/25 19:00	09/24/25 23:28	1
1,4-Difluorobenzene (Surr)	89		70 - 130	09/24/25 19:00	09/24/25 23:28	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			09/24/25 23:28	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			09/25/25 12:02	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		09/25/25 08:04	09/25/25 12:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		09/25/25 08:04	09/25/25 12:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/25/25 08:04	09/25/25 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	09/25/25 08:04	09/25/25 12:02	1
o-Terphenyl	87		70 - 130	09/25/25 08:04	09/25/25 12:02	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		9.92	mg/Kg			09/25/25 11:45	1

Client Sample ID: BH 02

Lab Sample ID: 890-8851-2

Date Collected: 09/23/25 11:52

Matrix: Solid

Date Received: 09/23/25 16:31

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/24/25 19:00	09/24/25 23:48	1
Toluene	0.00265		0.00200	mg/Kg		09/24/25 19:00	09/24/25 23:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/24/25 19:00	09/24/25 23:48	1
m-Xylene & p-Xylene	0.0216		0.00399	mg/Kg		09/24/25 19:00	09/24/25 23:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/24/25 19:00	09/24/25 23:48	1
Xylenes, Total	0.0216		0.00399	mg/Kg		09/24/25 19:00	09/24/25 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	09/24/25 19:00	09/24/25 23:48	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

Client Sample ID: BH 02

Lab Sample ID: 890-8851-2

Date Collected: 09/23/25 11:52

Matrix: Solid

Date Received: 09/23/25 16:31

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	09/24/25 19:00	09/24/25 23:48	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0243		0.00399	mg/Kg			09/24/25 23:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	175		49.9	mg/Kg			09/25/25 12:16	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	<49.9	U	49.9	mg/Kg		09/25/25 08:04	09/25/25 12:16	1
Diesel Range Organics (Over C10-C28)	175		49.9	mg/Kg		09/25/25 08:04	09/25/25 12:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/25/25 08:04	09/25/25 12:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			09/25/25 08:04	09/25/25 12:16	1
o-Terphenyl	94		70 - 130			09/25/25 08:04	09/25/25 12:16	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		10.0	mg/Kg			09/25/25 11:50	1

Client Sample ID: BH 03B

Lab Sample ID: 890-8851-3

Date Collected: 09/23/25 10:50

Matrix: Solid

Date Received: 09/23/25 16:31

Sample Depth: 2.5

## 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		09/24/25 19:00	09/25/25 00:09	1
Toluene	0.0106		0.00201	mg/Kg		09/24/25 19:00	09/25/25 00:09	1
Ethylbenzene	0.00596		0.00201	mg/Kg		09/24/25 19:00	09/25/25 00:09	1
m-Xylene & p-Xylene	0.0419		0.00402	mg/Kg		09/24/25 19:00	09/25/25 00:09	1
o-Xylene	0.0137		0.00201	mg/Kg		09/24/25 19:00	09/25/25 00:09	1
Xylenes, Total	0.0556		0.00402	mg/Kg		09/24/25 19:00	09/25/25 00:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	09/24/25 19:00	09/25/25 00:09	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/24/25 19:00	09/25/25 00:09	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0722		0.00402	mg/Kg			09/25/25 00:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	724		50.0	mg/Kg			09/25/25 12:30	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

Client Sample ID: BH 03B

Lab Sample ID: 890-8851-3

Date Collected: 09/23/25 10:50

Matrix: Solid

Date Received: 09/23/25 16:31

Sample Depth: 2.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/25/25 08:04	09/25/25 12:30	1
Diesel Range Organics (Over C10-C28)	656		50.0	mg/Kg		09/25/25 08:04	09/25/25 12:30	1
Oil Range Organics (Over C28-C36)	68.3		50.0	mg/Kg		09/25/25 08:04	09/25/25 12:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			09/25/25 08:04	09/25/25 12:30	1
o-Terphenyl	115		70 - 130			09/25/25 08:04	09/25/25 12:30	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		10.1	mg/Kg			09/25/25 11:55	1

Client Sample ID: BH 04A

Lab Sample ID: 890-8851-4

Date Collected: 09/23/25 09:39

Matrix: Solid

Date Received: 09/23/25 16:31

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		09/24/25 19:00	09/25/25 00:29	1
Toluene	0.0105		0.00202	mg/Kg		09/24/25 19:00	09/25/25 00:29	1
Ethylbenzene	0.00928		0.00202	mg/Kg		09/24/25 19:00	09/25/25 00:29	1
m-Xylene & p-Xylene	0.0818		0.00404	mg/Kg		09/24/25 19:00	09/25/25 00:29	1
o-Xylene	0.0286		0.00202	mg/Kg		09/24/25 19:00	09/25/25 00:29	1
Xylenes, Total	0.110		0.00404	mg/Kg		09/24/25 19:00	09/25/25 00:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130			09/24/25 19:00	09/25/25 00:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130			09/24/25 19:00	09/25/25 00:29	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.130		0.00404	mg/Kg			09/25/25 00:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	129		49.8	mg/Kg			09/25/25 12:44	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		09/25/25 08:04	09/25/25 12:44	1
Diesel Range Organics (Over C10-C28)	129		49.8	mg/Kg		09/25/25 08:04	09/25/25 12:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/25/25 08:04	09/25/25 12:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			09/25/25 08:04	09/25/25 12:44	1
o-Terphenyl	94		70 - 130			09/25/25 08:04	09/25/25 12:44	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

## Client Sample ID: BH 04A

## Lab Sample ID: 890-8851-4

Date Collected: 09/23/25 09:39

Matrix: Solid

Date Received: 09/23/25 16:31

Sample Depth: 2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		10.0	mg/Kg			09/25/25 12:01	1

## Client Sample ID: BH 04C

## Lab Sample ID: 890-8851-5

Date Collected: 09/23/25 10:05

Matrix: Solid

Date Received: 09/23/25 16:31

Sample Depth: 4

## 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		09/24/25 19:00	09/25/25 00:50	1
Toluene	0.00538		0.00198	mg/Kg		09/24/25 19:00	09/25/25 00:50	1
Ethylbenzene	0.00467		0.00198	mg/Kg		09/24/25 19:00	09/25/25 00:50	1
m-Xylene & p-Xylene	0.0301		0.00397	mg/Kg		09/24/25 19:00	09/25/25 00:50	1
o-Xylene	0.0103		0.00198	mg/Kg		09/24/25 19:00	09/25/25 00:50	1
Xylenes, Total	0.0404		0.00397	mg/Kg		09/24/25 19:00	09/25/25 00:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130			09/24/25 19:00	09/25/25 00:50	1
1,4-Difluorobenzene (Surr)	97		70 - 130			09/24/25 19:00	09/25/25 00:50	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0505		0.00397	mg/Kg			09/25/25 00:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	332		49.9	mg/Kg			09/25/25 12:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		09/25/25 08:04	09/25/25 12:58	1
Diesel Range Organics (Over C10-C28)	332		49.9	mg/Kg		09/25/25 08:04	09/25/25 12:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/25/25 08:04	09/25/25 12:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			09/25/25 08:04	09/25/25 12:58	1
o-Terphenyl	99		70 - 130			09/25/25 08:04	09/25/25 12:58	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		9.90	mg/Kg			09/25/25 12:06	1

Eurofins Carlsbad

## Surrogate Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

## 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)
890-8842-A-1-D MS	Matrix Spike	141 S1+	87
890-8842-A-1-E MSD	Matrix Spike Duplicate	123	95
890-8851-1	BH 01	136 S1+	89
890-8851-2	BH 02	140 S1+	91
890-8851-3	BH 03B	134 S1+	99
890-8851-4	BH 04A	158 S1+	91
890-8851-5	BH 04C	142 S1+	97
LCS 880-119636/1-A	Lab Control Sample	126	91
LCSD 880-119636/2-A	Lab Control Sample Dup	135 S1+	98
MB 880-119630/8	Method Blank	126	93
MB 880-119636/5-A	Method Blank	127	90
<b>Surrogate Legend</b>			
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)
890-8851-1	BH 01	84	87
890-8851-2	BH 02	86	94
890-8851-3	BH 03B	96	115
890-8851-4	BH 04A	87	94
890-8851-5	BH 04C	87	99
890-8861-A-11-C MS	Matrix Spike	94	90
890-8861-A-11-D MSD	Matrix Spike Duplicate	93	90
LCS 880-119722/2-A	Lab Control Sample	123	124
LCSD 880-119722/3-A	Lab Control Sample Dup	124	124
MB 880-119722/1-A	Method Blank	124	130
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

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

Lab Sample ID: MB 880-119630/8

Matrix: Solid

Analysis Batch: 119630

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			09/24/25 11:49	1
Toluene	<0.00200	U	0.00200	mg/Kg			09/24/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			09/24/25 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			09/24/25 11:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			09/24/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			09/24/25 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130		09/24/25 11:49	1
1,4-Difluorobenzene (Surr)	93		70 - 130		09/24/25 11:49	1

Lab Sample ID: MB 880-119636/5-A

Matrix: Solid

Analysis Batch: 119630

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119636

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/24/25 09:03	09/24/25 22:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/24/25 09:03	09/24/25 22:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/24/25 09:03	09/24/25 22:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/24/25 09:03	09/24/25 22:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/24/25 09:03	09/24/25 22:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/24/25 09:03	09/24/25 22:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	09/24/25 09:03	09/24/25 22:46	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/24/25 09:03	09/24/25 22:46	1

Lab Sample ID: LCS 880-119636/1-A

Matrix: Solid

Analysis Batch: 119630

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119636

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09698		mg/Kg		97	70 - 130
Toluene	0.100	0.1027		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2042		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-119636/2-A

Matrix: Solid

Analysis Batch: 119630

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119636

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09967		mg/Kg		100	70 - 130	3	35

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

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

Lab Sample ID: LCSD 880-119636/2-A

Matrix: Solid

Analysis Batch: 119630

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119636

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1055		mg/Kg		105	70 - 130	3	35
Ethylbenzene	0.100	0.1057		mg/Kg		106	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2094		mg/Kg		105	70 - 130	3	35
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: 890-8842-A-1-D MS

Matrix: Solid

Analysis Batch: 119630

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119636

	Sample	Sample	Spike	MS	MS			%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201	U	0.100	0.07229		mg/Kg		72	70 - 130		
Toluene	<0.00201	U F1	0.100	0.06815	F1	mg/Kg		68	70 - 130		
Ethylbenzene	<0.00201	U F1	0.100	0.05787	F1	mg/Kg		58	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1158	F1	mg/Kg		58	70 - 130		
o-Xylene	<0.00201	U F1	0.100	0.06083	F1	mg/Kg		61	70 - 130		
	</										

Lab Sample ID: 890-8842-A-1-E MSD

Matrix: Solid

Analysis Batch: 119630

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119636

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.06976		mg/Kg		70	70 - 130	4	35
Toluene	<0.00201	U F1	0.100	0.06239	F1	mg/Kg		62	70 - 130	9	35
Ethylbenzene	<0.00201	U F1	0.100	0.05007	F1	mg/Kg		50	70 - 130	14	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.09827	F1	mg/Kg		49	70 - 130	16	35
o-Xylene	<0.00201	U F1	0.100	0.05257	F1	mg/Kg		53	70 - 130	15	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	123		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

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

Lab Sample ID: MB 880-119722/1-A

Matrix: Solid

Analysis Batch: 119769

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119722

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		09/25/25 08:04	09/25/25 08:34	1

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

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

Lab Sample ID: MB 880-119722/1-A  
Matrix: Solid  
Analysis Batch: 119769

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 119722

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/25/25 08:04	09/25/25 08:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/25/25 08:04	09/25/25 08:34	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	124		70 - 130			09/25/25 08:04	09/25/25 08:34	1
o-Terphenyl	130		70 - 130			09/25/25 08:04	09/25/25 08:34	1

Lab Sample ID: LCS 880-119722/2-A  
Matrix: Solid  
Analysis Batch: 119769

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 119722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	893.1		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1049		mg/Kg		105	70 - 130
Surrogate	LCS	LCS	Limits			%Recovery	Qualifier
1-Chlorooctane	123		70 - 130				
o-Terphenyl	124		70 - 130				

Lab Sample ID: LCSD 880-119722/3-A  
Matrix: Solid  
Analysis Batch: 119769

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 119722

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	908.8		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130	1	20
Surrogate	LCSD	LCSD	Limits			%Recovery	Qualifier		
1-Chlorooctane	124		70 - 130						
o-Terphenyl	124		70 - 130						

Lab Sample ID: 890-8861-A-11-C MS  
Matrix: Solid  
Analysis Batch: 119769

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 119722

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	817.8		mg/Kg		82	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	998	869.9		mg/Kg		87	70 - 130			
Surrogate	MS	MS	Limits									
	%Recovery	Qualifier										
1-Chlorooctane	94		70 - 130									
o-Terphenyl	90		70 - 130									

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

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

Lab Sample ID: 890-8861-A-11-D MSD

Matrix: Solid

Analysis Batch: 119769

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119722

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	998	814.4		mg/Kg		82	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	895.2		mg/Kg		90	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	90		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119719/1-A

Matrix: Solid

Analysis Batch: 119740

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			09/25/25 09:28	1

Lab Sample ID: LCS 880-119719/2-A

Matrix: Solid

Analysis Batch: 119740

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.7		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-119719/3-A

Matrix: Solid

Analysis Batch: 119740

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	246.6		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-8861-A-10-B MS

Matrix: Solid

Analysis Batch: 119740

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	99.6		249	370.7		mg/Kg		109	90 - 110

Lab Sample ID: 890-8861-A-10-C MSD

Matrix: Solid

Analysis Batch: 119740

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	99.6		249	372.7		mg/Kg		110	90 - 110	1	20

Eurofins Carlsbad

## QC Association Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

## GC VOA

## Analysis Batch: 119630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-1	BH 01	Total/NA	Solid	8021B	119636
890-8851-2	BH 02	Total/NA	Solid	8021B	119636
890-8851-3	BH 03B	Total/NA	Solid	8021B	119636
890-8851-4	BH 04A	Total/NA	Solid	8021B	119636
890-8851-5	BH 04C	Total/NA	Solid	8021B	119636
MB 880-119630/8	Method Blank	Total/NA	Solid	8021B	
MB 880-119636/5-A	Method Blank	Total/NA	Solid	8021B	119636
LCS 880-119636/1-A	Lab Control Sample	Total/NA	Solid	8021B	119636
LCSD 880-119636/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119636
890-8842-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	119636
890-8842-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	119636

## Prep Batch: 119636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-1	BH 01	Total/NA	Solid	5035	
890-8851-2	BH 02	Total/NA	Solid	5035	
890-8851-3	BH 03B	Total/NA	Solid	5035	
890-8851-4	BH 04A	Total/NA	Solid	5035	
890-8851-5	BH 04C	Total/NA	Solid	5035	
MB 880-119636/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119636/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119636/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8842-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-8842-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 119793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-1	BH 01	Total/NA	Solid	Total BTEX	
890-8851-2	BH 02	Total/NA	Solid	Total BTEX	
890-8851-3	BH 03B	Total/NA	Solid	Total BTEX	
890-8851-4	BH 04A	Total/NA	Solid	Total BTEX	
890-8851-5	BH 04C	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 119722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-1	BH 01	Total/NA	Solid	8015NM Prep	
890-8851-2	BH 02	Total/NA	Solid	8015NM Prep	
890-8851-3	BH 03B	Total/NA	Solid	8015NM Prep	
890-8851-4	BH 04A	Total/NA	Solid	8015NM Prep	
890-8851-5	BH 04C	Total/NA	Solid	8015NM Prep	
MB 880-119722/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119722/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8861-A-11-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8861-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 119769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-1	BH 01	Total/NA	Solid	8015B NM	119722

Eurofins Carlsbad

## QC Association Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

## GC Semi VOA (Continued)

## Analysis Batch: 119769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-2	BH 02	Total/NA	Solid	8015B NM	119722
890-8851-3	BH 03B	Total/NA	Solid	8015B NM	119722
890-8851-4	BH 04A	Total/NA	Solid	8015B NM	119722
890-8851-5	BH 04C	Total/NA	Solid	8015B NM	119722
MB 880-119722/1-A	Method Blank	Total/NA	Solid	8015B NM	119722
LCS 880-119722/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119722
LCSD 880-119722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119722
890-8861-A-11-C MS	Matrix Spike	Total/NA	Solid	8015B NM	119722
890-8861-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	119722

## Analysis Batch: 119810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-1	BH 01	Total/NA	Solid	8015 NM	
890-8851-2	BH 02	Total/NA	Solid	8015 NM	
890-8851-3	BH 03B	Total/NA	Solid	8015 NM	
890-8851-4	BH 04A	Total/NA	Solid	8015 NM	
890-8851-5	BH 04C	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 119719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-1	BH 01	Soluble	Solid	DI Leach	
890-8851-2	BH 02	Soluble	Solid	DI Leach	
890-8851-3	BH 03B	Soluble	Solid	DI Leach	
890-8851-4	BH 04A	Soluble	Solid	DI Leach	
890-8851-5	BH 04C	Soluble	Solid	DI Leach	
MB 880-119719/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119719/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119719/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8861-A-10-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8861-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 119740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8851-1	BH 01	Soluble	Solid	300.0	119719
890-8851-2	BH 02	Soluble	Solid	300.0	119719
890-8851-3	BH 03B	Soluble	Solid	300.0	119719
890-8851-4	BH 04A	Soluble	Solid	300.0	119719
890-8851-5	BH 04C	Soluble	Solid	300.0	119719
MB 880-119719/1-A	Method Blank	Soluble	Solid	300.0	119719
LCS 880-119719/2-A	Lab Control Sample	Soluble	Solid	300.0	119719
LCSD 880-119719/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119719
890-8861-A-10-B MS	Matrix Spike	Soluble	Solid	300.0	119719
890-8861-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	119719

Eurofins Carlsbad



Lab Chronicle

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

Client Sample ID: BH 01  
Date Collected: 09/23/25 12:20  
Date Received: 09/23/25 16:31

Lab Sample ID: 890-8851-1  
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			5.03 g	5 mL	119636	09/24/25 19:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119630	09/24/25 23:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119793	09/24/25 23:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119810	09/25/25 12:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119722	09/25/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119769	09/25/25 12:02	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119719	09/25/25 07:50	SA	EET MID
Soluble	Analysis	300.0		1			119740	09/25/25 11:45	CS	EET MID

Client Sample ID: BH 02  
Date Collected: 09/23/25 11:52  
Date Received: 09/23/25 16:31

Lab Sample ID: 890-8851-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	119636	09/24/25 19:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119630	09/24/25 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119793	09/24/25 23:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119810	09/25/25 12:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119722	09/25/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119769	09/25/25 12:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119719	09/25/25 07:50	SA	EET MID
Soluble	Analysis	300.0		1			119740	09/25/25 11:50	CS	EET MID

Client Sample ID: BH 03B  
Date Collected: 09/23/25 10:50  
Date Received: 09/23/25 16:31

Lab Sample ID: 890-8851-3  
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	119636	09/24/25 19:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119630	09/25/25 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119793	09/25/25 00:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119810	09/25/25 12:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119722	09/25/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119769	09/25/25 12:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119719	09/25/25 07:50	SA	EET MID
Soluble	Analysis	300.0		1			119740	09/25/25 11:55	CS	EET MID

Client Sample ID: BH 04A  
Date Collected: 09/23/25 09:39  
Date Received: 09/23/25 16:31

Lab Sample ID: 890-8851-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	119636	09/24/25 19:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119630	09/25/25 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119793	09/25/25 00:29	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

Client Sample ID: BH 04A  
Date Collected: 09/23/25 09:39  
Date Received: 09/23/25 16:31

Lab Sample ID: 890-8851-4  
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			119810	09/25/25 12:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119722	09/25/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119769	09/25/25 12:44	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	119719	09/25/25 07:50	SA	EET MID
Soluble	Analysis	300.0		1			119740	09/25/25 12:01	CS	EET MID

Client Sample ID: BH 04C  
Date Collected: 09/23/25 10:05  
Date Received: 09/23/25 16:31

Lab Sample ID: 890-8851-5  
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			5.04 g	5 mL	119636	09/24/25 19:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119630	09/25/25 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119793	09/25/25 00:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119810	09/25/25 12:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119722	09/25/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119769	09/25/25 12:58	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	119719	09/25/25 07:50	SA	EET MID
Soluble	Analysis	300.0		1			119740	09/25/25 12:06	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

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: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

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: HASTA LA VISTA

Job ID: 890-8851-1  
SDG: 03C1558739

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8851-1	BH 01	Solid	09/23/25 12:20	09/23/25 16:31	1
890-8851-2	BH 02	Solid	09/23/25 11:52	09/23/25 16:31	1
890-8851-3	BH 03B	Solid	09/23/25 10:50	09/23/25 16:31	2.5
890-8851-4	BH 04A	Solid	09/23/25 09:39	09/23/25 16:31	2
890-8851-5	BH 04C	Solid	09/23/25 10:05	09/23/25 16:31	4

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





## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8851-1

SDG Number: 03C1558739

Login Number: 8851

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: 890-8851-1

SDG Number: 03C1558739

Login Number: 8851

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 09/24/25 09:01 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

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 11/17/2025 4:18:56 PM

## JOB DESCRIPTION

Hastala vista Federal com #001H  
03C1558739

## JOB NUMBER

890-9090-1

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  
11/17/2025 4:18:56 PM

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

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Laboratory Job ID: 890-9090-1  
SDG: 03C1558739

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	7
Surrogate Summary . . . . .	14
QC Sample Results . . . . .	15
QC Association Summary . . . . .	21
Lab Chronicle . . . . .	24
Certification Summary . . . . .	27
Method Summary . . . . .	28
Sample Summary . . . . .	29
Chain of Custody . . . . .	30
Receipt Checklists . . . . .	32

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

Definitions/Glossary

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high 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
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery 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.

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: Hastala vista Federal com #001H

Job ID: 890-9090-1

**Job ID: 890-9090-1**

**Eurofins Carlsbad**

### Job Narrative 890-9090-1

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

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

### Receipt

The samples were received on 11/14/2025 2:43 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 4.0°C.

### GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-124120 and analytical batch 880-124133 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 880-124120 and analytical batch 880-124133 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW04 (890-9090-1), SW05 (890-9090-2), SW06 (890-9090-3), SW07 (890-9090-4), SW08 (890-9090-5), SW09 (890-9090-6), FS55 (890-9090-7), FS56 (890-9090-8), (CCV 880-124133/2), (CCV 880-124133/20), (LCS 880-124120/1-A), (LCSD 880-124120/2-A), (MB 880-124120/5-A), (880-64886-A-141-I), (880-64886-A-141-G MS) and (880-64886-A-141-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 laboratory control sample (LCS) associated with preparation batch 880-124114 and analytical batch 880-124180 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-124113/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: SW04 (890-9090-1). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-124114 and analytical batch 880-124180 was outside the control limits.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124113 and analytical batch 880-124183 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.

### HPLC/IC

Eurofins Carlsbad

### Case Narrative

Client: Ensolum  
Project: Hastala vista Federal com #001H

Job ID: 890-9090-1

**Job ID: 890-9090-1 (Continued)**

**Eurofins Carlsbad**

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

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

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Client Sample ID: SW04

Lab Sample ID: 890-9090-1

Date Collected: 11/14/25 12:38

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 0-5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/25 12:01	11/17/25 04:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/25 12:01	11/17/25 04:58	1
Ethylbenzene	<0.00199	U **	0.00199	mg/Kg		11/15/25 12:01	11/17/25 04:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/25 12:01	11/17/25 04:58	1
o-Xylene	<0.00199	U **	0.00199	mg/Kg		11/15/25 12:01	11/17/25 04:58	1
Xylenes, Total	<0.00398	U **	0.00398	mg/Kg		11/15/25 12:01	11/17/25 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	276	S1+	70 - 130	11/15/25 12:01	11/17/25 04:58	1
1,4-Difluorobenzene (Surr)	85		70 - 130	11/15/25 12:01	11/17/25 04:58	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/17/25 04:58	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			11/17/25 14:29	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 F1	50.1	mg/Kg		11/15/25 10:39	11/17/25 14:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		11/15/25 10:39	11/17/25 14:29	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		11/15/25 10:39	11/17/25 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	184	S1+	70 - 130	11/15/25 10:39	11/17/25 14:29	1
o-Terphenyl	214	S1+	70 - 130	11/15/25 10:39	11/17/25 14:29	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		9.94	mg/Kg			11/17/25 10:28	1

Client Sample ID: SW05

Lab Sample ID: 890-9090-2

Date Collected: 11/14/25 12:42

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 0-5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/25 12:01	11/17/25 05:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/25 12:01	11/17/25 05:18	1
Ethylbenzene	<0.00200	U **	0.00200	mg/Kg		11/15/25 12:01	11/17/25 05:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/25 12:01	11/17/25 05:18	1
o-Xylene	<0.00200	U **	0.00200	mg/Kg		11/15/25 12:01	11/17/25 05:18	1
Xylenes, Total	<0.00399	U **	0.00399	mg/Kg		11/15/25 12:01	11/17/25 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	226	S1+	70 - 130	11/15/25 12:01	11/17/25 05:18	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

## Client Sample ID: SW05

## Lab Sample ID: 890-9090-2

Date Collected: 11/14/25 12:42

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 0-5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	70		70 - 130	11/15/25 12:01	11/17/25 05:18	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/17/25 05:18	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			11/17/25 15:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		11/15/25 10:39	11/17/25 15:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		11/15/25 10:39	11/17/25 15:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		11/15/25 10:39	11/17/25 15:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			11/15/25 10:39	11/17/25 15:28	1
o-Terphenyl	97		70 - 130			11/15/25 10:39	11/17/25 15:28	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		9.92	mg/Kg			11/17/25 10:33	1

## Client Sample ID: SW06

## Lab Sample ID: 890-9090-3

Date Collected: 11/14/25 12:45

Matrix: Solid

Date Received: 11/14/25 14:43

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		11/15/25 12:01	11/17/25 05:39	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/15/25 12:01	11/17/25 05:39	1
Ethylbenzene	<0.00201	U **	0.00201	mg/Kg		11/15/25 12:01	11/17/25 05:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/15/25 12:01	11/17/25 05:39	1
o-Xylene	<0.00201	U **	0.00201	mg/Kg		11/15/25 12:01	11/17/25 05:39	1
Xylenes, Total	<0.00402	U **	0.00402	mg/Kg		11/15/25 12:01	11/17/25 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	277	S1+	70 - 130	11/15/25 12:01	11/17/25 05:39	1
1,4-Difluorobenzene (Surr)	85		70 - 130	11/15/25 12:01	11/17/25 05:39	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/17/25 05:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/17/25 15:42	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

## Client Sample ID: SW06

## Lab Sample ID: 890-9090-3

Date Collected: 11/14/25 12:45

Matrix: Solid

Date Received: 11/14/25 14:43

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	<49.9	U	49.9	mg/Kg		11/15/25 10:39	11/17/25 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/15/25 10:39	11/17/25 15:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/15/25 10:39	11/17/25 15:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130			11/15/25 10:39	11/17/25 15:42	1
o-Terphenyl	96		70 - 130			11/15/25 10:39	11/17/25 15:42	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		9.96	mg/Kg			11/17/25 10:38	1

## Client Sample ID: SW07

## Lab Sample ID: 890-9090-4

Date Collected: 11/14/25 12:48

Matrix: Solid

Date Received: 11/14/25 14:43

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		11/15/25 12:01	11/17/25 07:13	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/15/25 12:01	11/17/25 07:13	1
Ethylbenzene	<0.00202	U *	0.00202	mg/Kg		11/15/25 12:01	11/17/25 07:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		11/15/25 12:01	11/17/25 07:13	1
o-Xylene	<0.00202	U *	0.00202	mg/Kg		11/15/25 12:01	11/17/25 07:13	1
Xylenes, Total	<0.00404	U *	0.00404	mg/Kg		11/15/25 12:01	11/17/25 07:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	274	S1+	70 - 130			11/15/25 12:01	11/17/25 07:13	1
1,4-Difluorobenzene (Surr)	79		70 - 130			11/15/25 12:01	11/17/25 07:13	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			11/17/25 07:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/17/25 15:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/15/25 10:39	11/17/25 15:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/15/25 10:39	11/17/25 15:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/15/25 10:39	11/17/25 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			11/15/25 10:39	11/17/25 15:57	1
o-Terphenyl	98		70 - 130			11/15/25 10:39	11/17/25 15:57	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

## Client Sample ID: SW07

## Lab Sample ID: 890-9090-4

Date Collected: 11/14/25 12:48

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.3		9.98	mg/Kg			11/17/25 10:44	1

## Client Sample ID: SW08

## Lab Sample ID: 890-9090-5

Date Collected: 11/14/25 12:49

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 0-2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/25 12:01	11/17/25 07:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/25 12:01	11/17/25 07:34	1
Ethylbenzene	<0.00199	U *	0.00199	mg/Kg		11/15/25 12:01	11/17/25 07:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/25 12:01	11/17/25 07:34	1
o-Xylene	<0.00199	U *	0.00199	mg/Kg		11/15/25 12:01	11/17/25 07:34	1
Xylenes, Total	<0.00398	U *	0.00398	mg/Kg		11/15/25 12:01	11/17/25 07:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	225	S1+	70 - 130			11/15/25 12:01	11/17/25 07:34	1
1,4-Difluorobenzene (Surr)	74		70 - 130			11/15/25 12:01	11/17/25 07:34	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/17/25 07:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/17/25 10:37	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	<50.0	U *	50.0	mg/Kg		11/15/25 10:41	11/17/25 10:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/15/25 10:41	11/17/25 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/15/25 10:41	11/17/25 10:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			11/15/25 10:41	11/17/25 10:37	1
o-Terphenyl	81		70 - 130			11/15/25 10:41	11/17/25 10:37	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.3		10.0	mg/Kg			11/17/25 10:49	1

Eurofins Carlsbad



## Client Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Client Sample ID: SW09

Lab Sample ID: 890-9090-6

Date Collected: 11/14/25 12:51

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 0-2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/25 12:01	11/17/25 07:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/25 12:01	11/17/25 07:54	1
Ethylbenzene	<0.00199	U **	0.00199	mg/Kg		11/15/25 12:01	11/17/25 07:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/25 12:01	11/17/25 07:54	1
o-Xylene	<0.00199	U **	0.00199	mg/Kg		11/15/25 12:01	11/17/25 07:54	1
Xylenes, Total	<0.00398	U **	0.00398	mg/Kg		11/15/25 12:01	11/17/25 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	231	S1+	70 - 130	11/15/25 12:01	11/17/25 07:54	1
1,4-Difluorobenzene (Surr)	78		70 - 130	11/15/25 12:01	11/17/25 07:54	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/17/25 07:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/17/25 13:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0	mg/Kg		11/15/25 10:41	11/17/25 13:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/15/25 10:41	11/17/25 13:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/15/25 10:41	11/17/25 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	11/15/25 10:41	11/17/25 13:00	1
o-Terphenyl	85		70 - 130	11/15/25 10:41	11/17/25 13:00	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.2		9.94	mg/Kg			11/17/25 11:05	1

Client Sample ID: FS55

Lab Sample ID: 890-9090-7

Date Collected: 11/14/25 13:17

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/25 12:01	11/17/25 08:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/25 12:01	11/17/25 08:14	1
Ethylbenzene	<0.00200	U **	0.00200	mg/Kg		11/15/25 12:01	11/17/25 08:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/25 12:01	11/17/25 08:14	1
o-Xylene	<0.00200	U **	0.00200	mg/Kg		11/15/25 12:01	11/17/25 08:14	1
Xylenes, Total	<0.00399	U **	0.00399	mg/Kg		11/15/25 12:01	11/17/25 08:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	237	S1+	70 - 130	11/15/25 12:01	11/17/25 08:14	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Client Sample ID: FS55

Lab Sample ID: 890-9090-7

Date Collected: 11/14/25 13:17

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	78		70 - 130	11/15/25 12:01	11/17/25 08:14	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/17/25 08:14	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			11/17/25 13:14	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		11/15/25 10:41	11/17/25 13:14	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		11/15/25 10:41	11/17/25 13:14	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		11/15/25 10:41	11/17/25 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130			11/15/25 10:41	11/17/25 13:14	1
o-Terphenyl	90		70 - 130			11/15/25 10:41	11/17/25 13:14	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		9.92	mg/Kg			11/17/25 11:10	1

Client Sample ID: FS56

Lab Sample ID: 890-9090-8

Date Collected: 11/14/25 13:14

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/15/25 12:01	11/17/25 08:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/15/25 12:01	11/17/25 08:35	1
Ethylbenzene	<0.00201	U **	0.00201	mg/Kg		11/15/25 12:01	11/17/25 08:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/15/25 12:01	11/17/25 08:35	1
o-Xylene	<0.00201	U **	0.00201	mg/Kg		11/15/25 12:01	11/17/25 08:35	1
Xylenes, Total	<0.00402	U **	0.00402	mg/Kg		11/15/25 12:01	11/17/25 08:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	357	S1+	70 - 130	11/15/25 12:01	11/17/25 08:35	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/15/25 12:01	11/17/25 08:35	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/17/25 08:35	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			11/17/25 13:28	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Client Sample ID: FS56

Lab Sample ID: 890-9090-8

Date Collected: 11/14/25 13:14

Matrix: Solid

Date Received: 11/14/25 14:43

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *-	50.1	mg/Kg		11/15/25 10:41	11/17/25 13:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		11/15/25 10:41	11/17/25 13:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		11/15/25 10:41	11/17/25 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			11/15/25 10:41	11/17/25 13:28	1
o-Terphenyl	82		70 - 130			11/15/25 10:41	11/17/25 13:28	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		9.98	mg/Kg			11/17/25 11:25	1

## Surrogate Summary

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

## 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)
880-64886-A-141-G MS	Matrix Spike	248 S1+	75
880-64886-A-141-H MSD	Matrix Spike Duplicate	298 S1+	97
890-9090-1	SW04	276 S1+	85
890-9090-2	SW05	226 S1+	70
890-9090-3	SW06	277 S1+	85
890-9090-4	SW07	274 S1+	79
890-9090-5	SW08	225 S1+	74
890-9090-6	SW09	231 S1+	78
890-9090-7	FS55	237 S1+	78
890-9090-8	FS56	357 S1+	104
LCS 880-124120/1-A	Lab Control Sample	262 S1+	81
LCSD 880-124120/2-A	Lab Control Sample Dup	217 S1+	87
MB 880-124120/5-A	Method Blank	250 S1+	74
<b>Surrogate Legend</b>			
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)
890-9090-1	SW04	184 S1+	214 S1+
890-9090-1 MS	SW04	93	98
890-9090-1 MSD	SW04	92	97
890-9090-2	SW05	85	97
890-9090-3	SW06	84	96
890-9090-4	SW07	88	98
890-9090-5	SW08	85	81
890-9090-5 MS	SW08	104	84
890-9090-5 MSD	SW08	110	88
890-9090-6	SW09	91	85
890-9090-7	FS55	94	90
890-9090-8	FS56	87	82
LCS 880-124113/2-A	Lab Control Sample	95	95
LCS 880-124114/2-A	Lab Control Sample	96	87
LCSD 880-124113/3-A	Lab Control Sample Dup	94	93
LCSD 880-124114/3-A	Lab Control Sample Dup	99	86
MB 880-124113/1-A	Method Blank	22 S1-	28 S1-
MB 880-124114/1-A	Method Blank	67 S1-	67 S1-
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

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

Lab Sample ID: MB 880-124120/5-A

Matrix: Solid

Analysis Batch: 124133

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124120

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/25 12:01	11/17/25 02:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/25 12:01	11/17/25 02:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/25 12:01	11/17/25 02:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/15/25 12:01	11/17/25 02:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/25 12:01	11/17/25 02:13	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/15/25 12:01	11/17/25 02:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	250	S1+	70 - 130	11/15/25 12:01	11/17/25 02:13	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/15/25 12:01	11/17/25 02:13	1

Lab Sample ID: LCS 880-124120/1-A

Matrix: Solid

Analysis Batch: 124133

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1188		mg/Kg		119	70 - 130
Toluene	0.100	0.1299		mg/Kg		130	70 - 130
Ethylbenzene	0.100	0.1310	*+	mg/Kg		131	70 - 130
m-Xylene & p-Xylene	0.200	0.2608		mg/Kg		130	70 - 130
o-Xylene	0.100	0.1399	*+	mg/Kg		140	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	262	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: LCSD 880-124120/2-A

Matrix: Solid

Analysis Batch: 124133

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124120

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09991		mg/Kg		100	70 - 130	17	35
Toluene	0.100	0.1158		mg/Kg		116	70 - 130	11	35
Ethylbenzene	0.100	0.1172		mg/Kg		117	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2339		mg/Kg		117	70 - 130	11	35
o-Xylene	0.100	0.1238		mg/Kg		124	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	217	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-64886-A-141-G MS

Matrix: Solid

Analysis Batch: 124133

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124120

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07467		mg/Kg		75	70 - 130
Toluene	<0.00200	U	0.100	0.08576		mg/Kg		86	70 - 130

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

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

Lab Sample ID: 880-64886-A-141-G MS

Matrix: Solid

Analysis Batch: 124133

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124120

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Ethylbenzene	<0.00200	U *	0.100	0.08510		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1772		mg/Kg		89	70 - 130	
o-Xylene	<0.00200	U *	0.100	0.09524		mg/Kg		95	70 - 130	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	248	S1+	70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: 880-64886-A-141-H MSD

Matrix: Solid

Analysis Batch: 124133

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124120

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Benzene	<0.00200	U	0.100	0.08253		mg/Kg		83	70 - 130		10	35
Toluene	<0.00200	U	0.100	0.09302		mg/Kg		93	70 - 130		8	35
Ethylbenzene	<0.00200	U *	0.100	0.09290		mg/Kg		93	70 - 130		9	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1985		mg/Kg		99	70 - 130		11	35
o-Xylene	<0.00200	U *	0.100	0.1066		mg/Kg		107	70 - 130		11	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	298	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-124113/1-A

Matrix: Solid

Analysis Batch: 124183

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124113

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/15/25 10:39	11/17/25 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/15/25 10:39	11/17/25 08:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/15/25 10:39	11/17/25 08:23	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	22	S1-	70 - 130	11/15/25 10:39	11/17/25 08:23	1
o-Terphenyl	28	S1-	70 - 130	11/15/25 10:39	11/17/25 08:23	1

Lab Sample ID: LCS 880-124113/2-A

Matrix: Solid

Analysis Batch: 124183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124113

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	
							Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	847.0		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	957.8		mg/Kg		96	70 - 130	

Eurofins Carlsbad



## QC Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

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

Lab Sample ID: LCS 880-124113/2-A

Matrix: Solid

Analysis Batch: 124183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124113

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

Lab Sample ID: LCSD 880-124113/3-A

Matrix: Solid

Analysis Batch: 124183

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124113

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	835.6		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	945.0		mg/Kg		94	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 890-9090-1 MS

Matrix: Solid

Analysis Batch: 124183

Client Sample ID: SW04

Prep Type: Total/NA

Prep Batch: 124113

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	1000	683.2	F1	mg/Kg		68	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	802.6		mg/Kg		76	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 890-9090-1 MSD

Matrix: Solid

Analysis Batch: 124183

Client Sample ID: SW04

Prep Type: Total/NA

Prep Batch: 124113

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	<50.1	U F1	1000	669.5	F1	mg/Kg		67	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	794.1		mg/Kg		75	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	97		70 - 130

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

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

Lab Sample ID: MB 880-124114/1-A

Matrix: Solid

Analysis Batch: 124180

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124114

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/15/25 10:41	11/17/25 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/15/25 10:41	11/17/25 08:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/15/25 10:41	11/17/25 08:23	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130			11/15/25 10:41	11/17/25 08:23	1
o-Terphenyl	67	S1-	70 - 130			11/15/25 10:41	11/17/25 08:23	1

Lab Sample ID: LCS 880-124114/2-A

Matrix: Solid

Analysis Batch: 124180

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	580.9	*-	mg/Kg		58	70 - 130
Diesel Range Organics (Over C10-C28)	1000	748.8		mg/Kg		75	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	96		70 - 130				
o-Terphenyl	87		70 - 130				

Lab Sample ID: LCSD 880-124114/3-A

Matrix: Solid

Analysis Batch: 124180

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	600.2	*-	mg/Kg		60	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	745.5		mg/Kg		75	70 - 130	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	86		70 - 130						

Lab Sample ID: 890-9090-5 MS

Matrix: Solid

Analysis Batch: 124180

Client Sample ID: SW08

Prep Type: Total/NA

Prep Batch: 124114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	997	724.6		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	915.4		mg/Kg		90	70 - 130

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

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

Lab Sample ID: 890-9090-5 MS

Matrix: Solid

Analysis Batch: 124180

Client Sample ID: SW08

Prep Type: Total/NA

Prep Batch: 124114

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-9090-5 MSD

Matrix: Solid

Analysis Batch: 124180

Client Sample ID: SW08

Prep Type: Total/NA

Prep Batch: 124114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	997	746.7		mg/Kg		75	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	909.6		mg/Kg		90	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	88		70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124135/1-A

Matrix: Solid

Analysis Batch: 124144

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			11/17/25 09:08	1

Lab Sample ID: LCS 880-124135/2-A

Matrix: Solid

Analysis Batch: 124144

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.8		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-124135/3-A

Matrix: Solid

Analysis Batch: 124144

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	244.8		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-9090-5 MS

Matrix: Solid

Analysis Batch: 124144

Client Sample ID: SW08

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.3		251	270.0		mg/Kg		100	90 - 110

Eurofins Carlsbad

QC Sample Results

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9090-5 MSD							Client Sample ID: SW08					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 124144												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	20.3		251	270.8		mg/Kg		100	90 - 110	0	20	

## QC Association Summary

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

## GC VOA

## Prep Batch: 124120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-1	SW04	Total/NA	Solid	5035	
890-9090-2	SW05	Total/NA	Solid	5035	
890-9090-3	SW06	Total/NA	Solid	5035	
890-9090-4	SW07	Total/NA	Solid	5035	
890-9090-5	SW08	Total/NA	Solid	5035	
890-9090-6	SW09	Total/NA	Solid	5035	
890-9090-7	FS55	Total/NA	Solid	5035	
890-9090-8	FS56	Total/NA	Solid	5035	
MB 880-124120/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124120/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124120/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-64886-A-141-G MS	Matrix Spike	Total/NA	Solid	5035	
880-64886-A-141-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 124133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-1	SW04	Total/NA	Solid	8021B	124120
890-9090-2	SW05	Total/NA	Solid	8021B	124120
890-9090-3	SW06	Total/NA	Solid	8021B	124120
890-9090-4	SW07	Total/NA	Solid	8021B	124120
890-9090-5	SW08	Total/NA	Solid	8021B	124120
890-9090-6	SW09	Total/NA	Solid	8021B	124120
890-9090-7	FS55	Total/NA	Solid	8021B	124120
890-9090-8	FS56	Total/NA	Solid	8021B	124120
MB 880-124120/5-A	Method Blank	Total/NA	Solid	8021B	124120
LCS 880-124120/1-A	Lab Control Sample	Total/NA	Solid	8021B	124120
LCSD 880-124120/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124120
880-64886-A-141-G MS	Matrix Spike	Total/NA	Solid	8021B	124120
880-64886-A-141-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124120

## Analysis Batch: 124212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-1	SW04	Total/NA	Solid	Total BTEX	
890-9090-2	SW05	Total/NA	Solid	Total BTEX	
890-9090-3	SW06	Total/NA	Solid	Total BTEX	
890-9090-4	SW07	Total/NA	Solid	Total BTEX	
890-9090-5	SW08	Total/NA	Solid	Total BTEX	
890-9090-6	SW09	Total/NA	Solid	Total BTEX	
890-9090-7	FS55	Total/NA	Solid	Total BTEX	
890-9090-8	FS56	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 124113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-1	SW04	Total/NA	Solid	8015NM Prep	
890-9090-2	SW05	Total/NA	Solid	8015NM Prep	
890-9090-3	SW06	Total/NA	Solid	8015NM Prep	
890-9090-4	SW07	Total/NA	Solid	8015NM Prep	
MB 880-124113/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124113/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

GC Semi VOA (Continued)

Prep Batch: 124113 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-124113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9090-1 MS	SW04	Total/NA	Solid	8015NM Prep	
890-9090-1 MSD	SW04	Total/NA	Solid	8015NM Prep	

Prep Batch: 124114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-5	SW08	Total/NA	Solid	8015NM Prep	
890-9090-6	SW09	Total/NA	Solid	8015NM Prep	
890-9090-7	FS55	Total/NA	Solid	8015NM Prep	
890-9090-8	FS56	Total/NA	Solid	8015NM Prep	
MB 880-124114/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124114/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9090-5 MS	SW08	Total/NA	Solid	8015NM Prep	
890-9090-5 MSD	SW08	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-5	SW08	Total/NA	Solid	8015B NM	124114
890-9090-6	SW09	Total/NA	Solid	8015B NM	124114
890-9090-7	FS55	Total/NA	Solid	8015B NM	124114
890-9090-8	FS56	Total/NA	Solid	8015B NM	124114
MB 880-124114/1-A	Method Blank	Total/NA	Solid	8015B NM	124114
LCS 880-124114/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124114
LCSD 880-124114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124114
890-9090-5 MS	SW08	Total/NA	Solid	8015B NM	124114
890-9090-5 MSD	SW08	Total/NA	Solid	8015B NM	124114

Analysis Batch: 124183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-1	SW04	Total/NA	Solid	8015B NM	124113
890-9090-2	SW05	Total/NA	Solid	8015B NM	124113
890-9090-3	SW06	Total/NA	Solid	8015B NM	124113
890-9090-4	SW07	Total/NA	Solid	8015B NM	124113
MB 880-124113/1-A	Method Blank	Total/NA	Solid	8015B NM	124113
LCS 880-124113/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124113
LCSD 880-124113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124113
890-9090-1 MS	SW04	Total/NA	Solid	8015B NM	124113
890-9090-1 MSD	SW04	Total/NA	Solid	8015B NM	124113

Analysis Batch: 124261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-1	SW04	Total/NA	Solid	8015 NM	
890-9090-2	SW05	Total/NA	Solid	8015 NM	
890-9090-3	SW06	Total/NA	Solid	8015 NM	
890-9090-4	SW07	Total/NA	Solid	8015 NM	
890-9090-5	SW08	Total/NA	Solid	8015 NM	
890-9090-6	SW09	Total/NA	Solid	8015 NM	
890-9090-7	FS55	Total/NA	Solid	8015 NM	
890-9090-8	FS56	Total/NA	Solid	8015 NM	



## QC Association Summary

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

## HPLC/IC

## Leach Batch: 124135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-1	SW04	Soluble	Solid	DI Leach	
890-9090-2	SW05	Soluble	Solid	DI Leach	
890-9090-3	SW06	Soluble	Solid	DI Leach	
890-9090-4	SW07	Soluble	Solid	DI Leach	
890-9090-5	SW08	Soluble	Solid	DI Leach	
890-9090-6	SW09	Soluble	Solid	DI Leach	
890-9090-7	FS55	Soluble	Solid	DI Leach	
890-9090-8	FS56	Soluble	Solid	DI Leach	
MB 880-124135/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124135/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124135/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9090-5 MS	SW08	Soluble	Solid	DI Leach	
890-9090-5 MSD	SW08	Soluble	Solid	DI Leach	

## Analysis Batch: 124144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9090-1	SW04	Soluble	Solid	300.0	124135
890-9090-2	SW05	Soluble	Solid	300.0	124135
890-9090-3	SW06	Soluble	Solid	300.0	124135
890-9090-4	SW07	Soluble	Solid	300.0	124135
890-9090-5	SW08	Soluble	Solid	300.0	124135
890-9090-6	SW09	Soluble	Solid	300.0	124135
890-9090-7	FS55	Soluble	Solid	300.0	124135
890-9090-8	FS56	Soluble	Solid	300.0	124135
MB 880-124135/1-A	Method Blank	Soluble	Solid	300.0	124135
LCS 880-124135/2-A	Lab Control Sample	Soluble	Solid	300.0	124135
LCSD 880-124135/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124135
890-9090-5 MS	SW08	Soluble	Solid	300.0	124135
890-9090-5 MSD	SW08	Soluble	Solid	300.0	124135

Lab Chronicle

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Client Sample ID: SW04  
Date Collected: 11/14/25 12:38  
Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	124120	11/15/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124133	11/17/25 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124212	11/17/25 04:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			124261	11/17/25 14:29	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	124113	11/15/25 10:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124183	11/17/25 14:29	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124135	11/17/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	124144	11/17/25 10:28	CS	EET MID

Client Sample ID: SW05  
Date Collected: 11/14/25 12:42  
Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124120	11/15/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124133	11/17/25 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124212	11/17/25 05:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			124261	11/17/25 15:28	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124113	11/15/25 10:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124183	11/17/25 15:28	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124135	11/17/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			124144	11/17/25 10:33	CS	EET MID

Client Sample ID: SW06  
Date Collected: 11/14/25 12:45  
Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-3  
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	124120	11/15/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124133	11/17/25 05:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124212	11/17/25 05:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			124261	11/17/25 15:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124113	11/15/25 10:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124183	11/17/25 15:42	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124135	11/17/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			124144	11/17/25 10:38	CS	EET MID

Client Sample ID: SW07  
Date Collected: 11/14/25 12:48  
Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	124120	11/15/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124133	11/17/25 07:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124212	11/17/25 07:13	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Client Sample ID: SW07

Date Collected: 11/14/25 12:48

Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-4

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			124261	11/17/25 15:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124113	11/15/25 10:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124183	11/17/25 15:57	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124135	11/17/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			124144	11/17/25 10:44	CS	EET MID

Client Sample ID: SW08

Date Collected: 11/14/25 12:49

Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-5

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			5.03 g	5 mL	124120	11/15/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124133	11/17/25 07:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124212	11/17/25 07:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			124261	11/17/25 10:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124114	11/15/25 10:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124180	11/17/25 10:37	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	124135	11/17/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			124144	11/17/25 10:49	CS	EET MID

Client Sample ID: SW09

Date Collected: 11/14/25 12:51

Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-6

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			5.02 g	5 mL	124120	11/15/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124133	11/17/25 07:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124212	11/17/25 07:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			124261	11/17/25 13:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124114	11/15/25 10:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124180	11/17/25 13:00	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124135	11/17/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			124144	11/17/25 11:05	CS	EET MID

Client Sample ID: FS55

Date Collected: 11/14/25 13:17

Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-7

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			5.01 g	5 mL	124120	11/15/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124133	11/17/25 08:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124212	11/17/25 08:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			124261	11/17/25 13:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	124114	11/15/25 10:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124180	11/17/25 13:14	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Client Sample ID: FS55

Date Collected: 11/14/25 13:17

Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-7

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			5.04 g	50 mL	124135	11/17/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			124144	11/17/25 11:10	CS	EET MID

Client Sample ID: FS56

Date Collected: 11/14/25 13:14

Date Received: 11/14/25 14:43

Lab Sample ID: 890-9090-8

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	124120	11/15/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124133	11/17/25 08:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124212	11/17/25 08:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			124261	11/17/25 13:28	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124114	11/15/25 10:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124180	11/17/25 13:28	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124135	11/17/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			124144	11/17/25 11:25	CS	EET MID

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

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: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

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: Hastala vista Federal com #001H

Job ID: 890-9090-1  
SDG: 03C1558739

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9090-1	SW04	Solid	11/14/25 12:38	11/14/25 14:43	0-5
890-9090-2	SW05	Solid	11/14/25 12:42	11/14/25 14:43	0-5
890-9090-3	SW06	Solid	11/14/25 12:45	11/14/25 14:43	0-3
890-9090-4	SW07	Solid	11/14/25 12:48	11/14/25 14:43	0-2
890-9090-5	SW08	Solid	11/14/25 12:49	11/14/25 14:43	0-2
890-9090-6	SW09	Solid	11/14/25 12:51	11/14/25 14:43	0-2
890-9090-7	FS55	Solid	11/14/25 13:17	11/14/25 14:43	5
890-9090-8	FS56	Solid	11/14/25 13:14	11/14/25 14:43	5

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

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300



Environment Testing

Xenon

El Paso, TX (915) 200-2000, El Paso, TX (915) 200-2000

Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Reporting: ☐ Level I ☐ Level II ☐ Level III ☐ Level IV ☐

Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

Project Manager: Jeffrey Reich

Company Name: Ensolium, LLC

Address: 3122 National Parks Hwy

City, State ZIP: Carlsbad, NM 88220

Phone: 505-296-0627

Bill to: (if different) AT&T, Dave Woodall

Company Name: XTO Energy

Address: msamiss@ensolium.com

City, State ZIP: msamiss@ensolium.com

Email: msamiss@ensolium.com

Project Name: <u>Holston La Vista Federal Camp</u>		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number: <u>031558739</u>	Due Date: <u>11/17/25</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>
Project Location: <u>3122 National Parks Hwy</u>	Due Date: <u>11/17/25</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>
Sampler's Name: <u>Mario Salskis</u>	Due Date: <u>11/17/25</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>
PO #: <u>432-296-0627</u>	Due Date: <u>11/17/25</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>
SAMPLE RECEIPT		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>	
Samples Received Intact: <u>Yes</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>	
Cooler Custody Seals: <u>Yes</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>	
Sample Custody Seals: <u>Yes</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>	
Total Containers: <u>4.0</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>		Temp Blank: <u>Yes</u>		Wet Ice: <u>Yes</u>	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments		
<u>SW04</u>	<u>S</u>	<u>11/14/25</u>	<u>1238</u>	<u>0-5</u>	<u>C</u>	<u>1</u>	<u>ADP: CAP 126349440</u>		
<u>SW05</u>	<u>S</u>	<u>11/14/25</u>	<u>1242</u>	<u>0-5</u>	<u>C</u>	<u>1</u>	<u>CC: 1141001001</u>		
<u>SW06</u>	<u>S</u>	<u>11/14/25</u>	<u>1245</u>	<u>0-3</u>	<u>C</u>	<u>1</u>	<u>GFCA: 48605000</u>		
<u>SW07</u>	<u>S</u>	<u>11/14/25</u>	<u>1248</u>	<u>0-2</u>	<u>C</u>	<u>1</u>			
<u>SW08</u>	<u>S</u>	<u>11/14/25</u>	<u>1249</u>	<u>0-2</u>	<u>C</u>	<u>1</u>			
<u>SW09</u>	<u>S</u>	<u>11/14/25</u>	<u>1251</u>	<u>0-2</u>	<u>C</u>	<u>1</u>			
<u>FS55</u>	<u>S</u>	<u>11/14/25</u>	<u>1317</u>	<u>5</u>	<u>C</u>	<u>1</u>			
<u>FS56</u>	<u>S</u>	<u>11/14/25</u>	<u>1319</u>	<u>5</u>	<u>C</u>	<u>1</u>			

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<sub>2</sub> 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 Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>11/14/25</u>	<u>1443</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>11/14/25</u>	<u>1443</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>11/14/25</u>	<u>1443</u>

Revised Date: 08/25/2020 Rev. 2002

## Eurofins Carlsbad

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

## Chain of Custody Record



Client Information (Sub Contract Lab)				Sample:	Lab PM:	Carrier/Tracking No(s)	COC No:									
Client Contact:	Shipping/Receiving	Address:	City:	State, Zip:	E-Mail:	State of Origin:	Page:									
Eurofins Environment Testing South Central				1211 W. Florida Ave.	Jessica Kramer@el.eurofins.com	New Mexico	Page 1 of 1									
Due Date Requested:				11/17/2025	Accreditations Required (See note):		Job #:									
TAT Requested (days):				N/A	NE LAP - Texas		890-9090-1									
PO #:				N/A	Analysis Requested		Preservation Codes:									
WO #:				N/A												
Project #:				89000110												
SSOW#:				N/A												
Site:				N/A												
Project Name:				Hastata visia Federal com #001H												
Other:				N/A												
Sample Identification - Client ID (Lab ID)				Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (P=powder, S=solid, O=overhead, B=brass, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
SWM04 (890-9090-1)				11/14/25	12:38	Mountain	G	Solid	X	X	X	X	X	X	1	
SWM05 (890-9090-2)				11/14/25	12:42	Mountain	G	Solid	X	X	X	X	X	X	1	
SWM06 (890-9090-3)				11/14/25	12:45	Mountain	G	Solid	X	X	X	X	X	X	1	
SWM07 (890-9090-4)				11/14/25	12:48	Mountain	G	Solid	X	X	X	X	X	X	1	
SWM08 (890-9090-5)				11/14/25	12:49	Mountain	G	Solid	X	X	X	X	X	X	1	
SWM09 (890-9090-6)				11/14/25	12:51	Mountain	G	Solid	X	X	X	X	X	X	1	
FSS5 (890-9090-7)				11/14/25	13:17	Mountain	G	Solid	X	X	X	X	X	X	1	
FSS6 (890-9090-8)				11/14/25	13:14	Mountain	G	Solid	X	X	X	X	X	X	1	

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

**Possible Hazard Identification**

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Empty Kit Requisitioned by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Requisitioned by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Requisitioned by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_ Cooler Temperature(s) and Other Remarks: \_\_\_\_\_

1.811.7 -1.1 TRS

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9090-1

SDG Number: 03C1558739

Login Number: 9090

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: 890-9090-1

SDG Number: 03C1558739

Login Number: 9090

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 11/15/25 10:26 AM

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





Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 11/25/2025 8:28:14 AM

## JOB DESCRIPTION

Hasta la vista 1 DI Fed com 001H  
03C1558739

## JOB NUMBER

890-9096-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



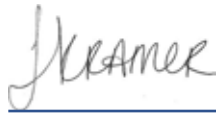
# Eurofins Carlsbad

## 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  
11/25/2025 8:28:14 AM

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



Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Laboratory Job ID: 890-9096-1  
SDG: 03C1558739

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	13
QC Sample Results . . . . .	14
QC Association Summary . . . . .	20
Lab Chronicle . . . . .	23
Certification Summary . . . . .	26
Method Summary . . . . .	27
Sample Summary . . . . .	28
Chain of Custody . . . . .	29
Receipt Checklists . . . . .	31

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery 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.

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: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1

**Job ID: 890-9096-1****Eurofins Carlsbad****Job Narrative  
890-9096-1**

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

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

**Receipt**

The samples were received on 11/18/2025 11:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

**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 / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124342 and analytical batch 880-124513 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.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-124513 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-124513/31).

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124342/2-A) and (LCSD 880-124342/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside the upper control limit: FS52 (890-9096-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

**HPLC/IC**

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

Eurofins Carlsbad

Client Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Client Sample ID: FS51  
Date Collected: 11/17/25 14:10  
Date Received: 11/18/25 11:06  
Sample Depth: 2

Lab Sample ID: 890-9096-1  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202	mg/Kg		11/19/25 12:36	11/24/25 23:38	1	
Toluene	<0.00202	U	0.00202	mg/Kg		11/19/25 12:36	11/24/25 23:38	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/19/25 12:36	11/24/25 23:38	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		11/19/25 12:36	11/24/25 23:38	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/19/25 12:36	11/24/25 23:38	1	
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/19/25 12:36	11/24/25 23:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	100		70 - 130			11/19/25 12:36	11/24/25 23:38	1	
1,4-Difluorobenzene (Surr)	92		70 - 130			11/19/25 12:36	11/24/25 23:38	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00404	U	0.00404	mg/Kg			11/24/25 23:38	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8	mg/Kg			11/20/25 17:53	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		11/18/25 14:36	11/20/25 17:53	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/18/25 14:36	11/20/25 17:53	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/18/25 14:36	11/20/25 17:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	84		70 - 130			11/18/25 14:36	11/20/25 17:53	1	
o-Terphenyl	109		70 - 130			11/18/25 14:36	11/20/25 17:53	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	128		9.92	mg/Kg			11/19/25 11:55	1	

Client Sample ID: FS52  
Date Collected: 11/17/25 14:15  
Date Received: 11/18/25 11:06  
Sample Depth: 3

Lab Sample ID: 890-9096-2  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/24/25 23:59	1	
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/24/25 23:59	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/24/25 23:59	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/24/25 23:59	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/24/25 23:59	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/24/25 23:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		70 - 130			11/19/25 12:36	11/24/25 23:59	1	

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Client Sample ID: FS52

Lab Sample ID: 890-9096-2

Date Collected: 11/17/25 14:15

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	11/19/25 12:36	11/24/25 23:59	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/24/25 23:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			11/20/25 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		11/18/25 14:36	11/20/25 18:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		11/18/25 14:36	11/20/25 18:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		11/18/25 14:36	11/20/25 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			11/18/25 14:36	11/20/25 18:12	1
o-Terphenyl	135	S1+	70 - 130			11/18/25 14:36	11/20/25 18:12	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		10.0	mg/Kg			11/19/25 12:12	1

Client Sample ID: FS53

Lab Sample ID: 890-9096-3

Date Collected: 11/17/25 14:50

Matrix: Solid

Date Received: 11/18/25 11:06

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		11/19/25 12:36	11/25/25 00:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 00:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 00:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/19/25 12:36	11/25/25 00:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 00:19	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 12:36	11/25/25 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/19/25 12:36	11/25/25 00:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/19/25 12:36	11/25/25 00:19	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/25/25 00:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			11/20/25 18:31	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

## Client Sample ID: FS53

Lab Sample ID: 890-9096-3

Date Collected: 11/17/25 14:50

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		11/18/25 14:36	11/20/25 18:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		11/18/25 14:36	11/20/25 18:31	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		11/18/25 14:36	11/20/25 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			11/18/25 14:36	11/20/25 18:31	1
o-Terphenyl	125		70 - 130			11/18/25 14:36	11/20/25 18:31	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.4		10.0	mg/Kg			11/19/25 12:18	1

## Client Sample ID: FS54

Lab Sample ID: 890-9096-4

Date Collected: 11/17/25 14:55

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 00:40	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 00:40	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 00:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 00:40	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 00:40	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 00:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			11/19/25 12:36	11/25/25 00:40	1
1,4-Difluorobenzene (Surr)	104		70 - 130			11/19/25 12:36	11/25/25 00:40	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/25/25 00:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/20/25 18:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/18/25 14:36	11/20/25 18:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/18/25 14:36	11/20/25 18:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/18/25 14:36	11/20/25 18:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			11/18/25 14:36	11/20/25 18:50	1
o-Terphenyl	101		70 - 130			11/18/25 14:36	11/20/25 18:50	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

## Client Sample ID: FS54

Lab Sample ID: 890-9096-4

Date Collected: 11/17/25 14:55

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.9		10.0	mg/Kg			11/19/25 12:24	1

## Client Sample ID: FS57

Lab Sample ID: 890-9096-5

Date Collected: 11/17/25 15:00

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 01:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 01:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 01:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 01:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 01:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			11/19/25 12:36	11/25/25 01:00	1
1,4-Difluorobenzene (Surr)	101		70 - 130			11/19/25 12:36	11/25/25 01:00	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/25/25 01:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/20/25 19:09	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		11/18/25 14:36	11/20/25 19:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/18/25 14:36	11/20/25 19:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 14:36	11/20/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			11/18/25 14:36	11/20/25 19:09	1
o-Terphenyl	106		70 - 130			11/18/25 14:36	11/20/25 19:09	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		9.94	mg/Kg			11/19/25 12:30	1

Eurofins Carlsbad



## Client Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Client Sample ID: FS58

Lab Sample ID: 890-9096-6

Date Collected: 11/17/25 15:05

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/19/25 12:36	11/25/25 01:21	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/19/25 12:36	11/25/25 01:21	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/19/25 12:36	11/25/25 01:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/19/25 12:36	11/25/25 01:21	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/19/25 12:36	11/25/25 01:21	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/19/25 12:36	11/25/25 01:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			11/19/25 12:36	11/25/25 01:21	1
1,4-Difluorobenzene (Surr)	96		70 - 130			11/19/25 12:36	11/25/25 01:21	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/25/25 01:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/20/25 19:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/25 14:36	11/20/25 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/18/25 14:36	11/20/25 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 14:36	11/20/25 19:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			11/18/25 14:36	11/20/25 19:28	1
o-Terphenyl	103		70 - 130			11/18/25 14:36	11/20/25 19:28	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		9.92	mg/Kg			11/19/25 12:47	1

Client Sample ID: FS59

Lab Sample ID: 890-9096-7

Date Collected: 11/17/25 15:10

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 01:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 01:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 01:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/25/25 01:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 01:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/25/25 01:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			11/19/25 12:36	11/25/25 01:41	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Client Sample ID: FS59

Lab Sample ID: 890-9096-7

Date Collected: 11/17/25 15:10

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	11/19/25 12:36	11/25/25 01:41	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/25/25 01:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/21/25 18:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/19/25 09:47	11/21/25 18:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8	mg/Kg		11/19/25 09:47	11/21/25 18:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/19/25 09:47	11/21/25 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			11/19/25 09:47	11/21/25 18:19	1
o-Terphenyl	84		70 - 130			11/19/25 09:47	11/21/25 18:19	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.2		9.98	mg/Kg			11/19/25 12:53	1

Client Sample ID: FS61

Lab Sample ID: 890-9096-8

Date Collected: 11/17/25 15:20

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 02:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 02:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 02:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/19/25 12:36	11/25/25 02:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 02:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 12:36	11/25/25 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	11/19/25 12:36	11/25/25 02:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/19/25 12:36	11/25/25 02:02	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/25/25 02:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			11/21/25 19:05	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Client Sample ID: FS61  
Date Collected: 11/17/25 15:20  
Date Received: 11/18/25 11:06  
Sample Depth: 5

Lab Sample ID: 890-9096-8  
Matrix: Solid

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	<50.3	U	50.3	mg/Kg		11/19/25 09:47	11/21/25 19:05	1	
Diesel Range Organics (Over C10-C28)	<50.3	U *	50.3	mg/Kg		11/19/25 09:47	11/21/25 19:05	1	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		11/19/25 09:47	11/21/25 19:05	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	82		70 - 130			11/19/25 09:47	11/21/25 19:05	1	
o-Terphenyl	87		70 - 130			11/19/25 09:47	11/21/25 19:05	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	290		9.96	mg/Kg			11/19/25 12:59	1	

## Surrogate Summary

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

## 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)				
880-65227-A-1-C MS	Matrix Spike	115	98				
880-65227-A-1-D MSD	Matrix Spike Duplicate	115	98				
890-9096-1	FS51	100	92				
890-9096-2	FS52	103	104				
890-9096-3	FS53	106	97				
890-9096-4	FS54	103	104				
890-9096-5	FS57	99	101				
890-9096-6	FS58	101	96				
890-9096-7	FS59	111	94				
890-9096-8	FS61	107	95				
LCS 880-124415/1-A	Lab Control Sample	117	101				
LCSD 880-124415/2-A	Lab Control Sample Dup	119	100				
MB 880-124415/5-A	Method Blank	111	88				
MB 880-124739/5-A	Method Blank	114	93				
<b>Surrogate Legend</b>							
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)				
820-22051-A-21-C MS	Matrix Spike	109	114				
820-22051-A-21-D MSD	Matrix Spike Duplicate	104	111				
890-9096-1	FS51	84	109				
890-9096-2	FS52	113	135 S1+				
890-9096-3	FS53	102	125				
890-9096-4	FS54	78	101				
890-9096-5	FS57	80	106				
890-9096-6	FS58	77	103				
890-9096-7	FS59	77	84				
890-9096-7 MS	FS59	89	81				
890-9096-7 MSD	FS59	91	82				
890-9096-8	FS61	82	87				
LCS 880-124342/2-A	Lab Control Sample	129	136 S1+				
LCS 880-124392/2-A	Lab Control Sample	72	66 S1-				
LCSD 880-124342/3-A	Lab Control Sample Dup	138 S1+	139 S1+				
LCSD 880-124392/3-A	Lab Control Sample Dup	67 S1-	76				
MB 880-124342/1-A	Method Blank	112	116				
MB 880-124392/1-A	Method Blank	83	88				
<b>Surrogate Legend</b>							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

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

Lab Sample ID: MB 880-124415/5-A

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124415

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/20/25 12:36	11/24/25 22:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/20/25 12:36	11/24/25 22:35	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/20/25 12:36	11/24/25 22:35	1

Lab Sample ID: LCS 880-124415/1-A

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1020		mg/Kg		102	70 - 130
Toluene	0.100	0.09259		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2238		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-124415/2-A

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1065		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.09151		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2207		mg/Kg		110	70 - 130	1	35
o-Xylene	0.100	0.1127		mg/Kg		113	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-65227-A-1-C MS

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08666		mg/Kg		87	70 - 130
Toluene	<0.00200	U	0.100	0.07597		mg/Kg		76	70 - 130

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

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

Lab Sample ID: 880-65227-A-1-C MS

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Ethylbenzene	<0.00200	U	0.100	0.08173		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1781		mg/Kg		89	70 - 130	
o-Xylene	<0.00200	U	0.100	0.09131		mg/Kg		91	70 - 130	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-65227-A-1-D MSD

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Benzene	<0.00200	U	0.100	0.08771		mg/Kg		88	70 - 130		1	35
Toluene	<0.00200	U	0.100	0.07946		mg/Kg		79	70 - 130		4	35
Ethylbenzene	<0.00200	U	0.100	0.09009		mg/Kg		90	70 - 130		10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1916		mg/Kg		96	70 - 130		7	35
o-Xylene	<0.00200	U	0.100	0.09786		mg/Kg		98	70 - 130		7	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-124739/5-A

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124739

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/21/25 14:30	11/24/25 11:34	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	114		70 - 130	11/21/25 14:30	11/24/25 11:34	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/21/25 14:30	11/24/25 11:34	1

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

Lab Sample ID: MB 880-124342/1-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124342

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/25 14:36	11/20/25 08:24	1

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

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

Lab Sample ID: MB 880-124342/1-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124342

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		11/18/25 14:36	11/20/25 08:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 14:36	11/20/25 08:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			11/18/25 14:36	11/20/25 08:24	1
o-Terphenyl	116		70 - 130			11/18/25 14:36	11/20/25 08:24	1

Lab Sample ID: LCS 880-124342/2-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	826.3		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1013		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	129		70 - 130				
o-Terphenyl	136	S1+	70 - 130				

Lab Sample ID: LCSD 880-124342/3-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	887.8		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	138	S1+	70 - 130						
o-Terphenyl	139	S1+	70 - 130						

Lab Sample ID: 820-22051-A-21-C MS

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	996	831.6		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	710.1	F1	mg/Kg		69	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	114		70 - 130						

Eurofins Carlsbad



## QC Sample Results

Client: Ensolum

Job ID: 890-9096-1

Project/Site: Hasta la vista 1 DI Fed com 001H

SDG: 03C1558739

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

Lab Sample ID: 820-22051-A-21-D MSD

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124342

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	<49.8	U	996	792.5		mg/Kg		80	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	711.5	F1	mg/Kg		69	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: MB 880-124392/1-A

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124392

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 17:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			11/19/25 09:47	11/21/25 17:33	1
o-Terphenyl	88		70 - 130			11/19/25 09:47	11/21/25 17:33	1

Lab Sample ID: LCS 880-124392/2-A

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124392

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

Lab Sample ID: LCSD 880-124392/3-A

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124392

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

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

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

Lab Sample ID: LCSD 880-124392/3-A

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124392

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	67	S1-	70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 890-9096-7 MS

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: FS59

Prep Type: Total/NA

Prep Batch: 124392

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

Lab Sample ID: 890-9096-7 MSD

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: FS59

Prep Type: Total/NA

Prep Batch: 124392

	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	<49.8	U	995	849.4		mg/Kg		84	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.8	U *-	995	698.0		mg/Kg		70	70 - 130	0	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	91		70 - 130									
o-Terphenyl	82		70 - 130									

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124356/1-A

Matrix: Solid

Analysis Batch: 124399

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			11/19/25 11:37		1	

Lab Sample ID: LCS 880-124356/2-A

Matrix: Solid

Analysis Batch: 124399

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	230.0		mg/Kg		92	90 - 110			

Eurofins Carlsbad

QC Sample Results

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-124356/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 124399											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	230.7		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 890-9096-1 MS				Client Sample ID: FS51							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 124399											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	128		248	368.0		mg/Kg		97	90 - 110		

Lab Sample ID: 890-9096-1 MSD				Client Sample ID: FS51							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 124399											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	128		248	372.1		mg/Kg		98	90 - 110	1	20

## QC Association Summary

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

## GC VOA

## Prep Batch: 124415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-1	FS51	Total/NA	Solid	5035	
890-9096-2	FS52	Total/NA	Solid	5035	
890-9096-3	FS53	Total/NA	Solid	5035	
890-9096-4	FS54	Total/NA	Solid	5035	
890-9096-5	FS57	Total/NA	Solid	5035	
890-9096-6	FS58	Total/NA	Solid	5035	
890-9096-7	FS59	Total/NA	Solid	5035	
890-9096-8	FS61	Total/NA	Solid	5035	
MB 880-124415/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124415/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124415/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65227-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-65227-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Prep Batch: 124739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124739/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 124841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-1	FS51	Total/NA	Solid	8021B	124415
890-9096-2	FS52	Total/NA	Solid	8021B	124415
890-9096-3	FS53	Total/NA	Solid	8021B	124415
890-9096-4	FS54	Total/NA	Solid	8021B	124415
890-9096-5	FS57	Total/NA	Solid	8021B	124415
890-9096-6	FS58	Total/NA	Solid	8021B	124415
890-9096-7	FS59	Total/NA	Solid	8021B	124415
890-9096-8	FS61	Total/NA	Solid	8021B	124415
MB 880-124415/5-A	Method Blank	Total/NA	Solid	8021B	124415
MB 880-124739/5-A	Method Blank	Total/NA	Solid	8021B	124739
LCS 880-124415/1-A	Lab Control Sample	Total/NA	Solid	8021B	124415
LCSD 880-124415/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124415
880-65227-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	124415
880-65227-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124415

## Analysis Batch: 125008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-1	FS51	Total/NA	Solid	Total BTEX	
890-9096-2	FS52	Total/NA	Solid	Total BTEX	
890-9096-3	FS53	Total/NA	Solid	Total BTEX	
890-9096-4	FS54	Total/NA	Solid	Total BTEX	
890-9096-5	FS57	Total/NA	Solid	Total BTEX	
890-9096-6	FS58	Total/NA	Solid	Total BTEX	
890-9096-7	FS59	Total/NA	Solid	Total BTEX	
890-9096-8	FS61	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 124342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-1	FS51	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

## QC Association Summary

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

## GC Semi VOA (Continued)

## Prep Batch: 124342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-2	FS52	Total/NA	Solid	8015NM Prep	
890-9096-3	FS53	Total/NA	Solid	8015NM Prep	
890-9096-4	FS54	Total/NA	Solid	8015NM Prep	
890-9096-5	FS57	Total/NA	Solid	8015NM Prep	
890-9096-6	FS58	Total/NA	Solid	8015NM Prep	
MB 880-124342/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124342/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124342/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-22051-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-22051-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 124392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-7	FS59	Total/NA	Solid	8015NM Prep	
890-9096-8	FS61	Total/NA	Solid	8015NM Prep	
MB 880-124392/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124392/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124392/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9096-7 MS	FS59	Total/NA	Solid	8015NM Prep	
890-9096-7 MSD	FS59	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 124513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-1	FS51	Total/NA	Solid	8015B NM	124342
890-9096-2	FS52	Total/NA	Solid	8015B NM	124342
890-9096-3	FS53	Total/NA	Solid	8015B NM	124342
890-9096-4	FS54	Total/NA	Solid	8015B NM	124342
890-9096-5	FS57	Total/NA	Solid	8015B NM	124342
890-9096-6	FS58	Total/NA	Solid	8015B NM	124342
MB 880-124342/1-A	Method Blank	Total/NA	Solid	8015B NM	124342
LCS 880-124342/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124342
LCSD 880-124342/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124342
820-22051-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	124342
820-22051-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	124342

## Analysis Batch: 124654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-7	FS59	Total/NA	Solid	8015B NM	124392
890-9096-8	FS61	Total/NA	Solid	8015B NM	124392
MB 880-124392/1-A	Method Blank	Total/NA	Solid	8015B NM	124392
LCS 880-124392/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124392
LCSD 880-124392/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124392
890-9096-7 MS	FS59	Total/NA	Solid	8015B NM	124392
890-9096-7 MSD	FS59	Total/NA	Solid	8015B NM	124392

## Analysis Batch: 124745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-1	FS51	Total/NA	Solid	8015 NM	
890-9096-2	FS52	Total/NA	Solid	8015 NM	
890-9096-3	FS53	Total/NA	Solid	8015 NM	
890-9096-4	FS54	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

## QC Association Summary

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

## GC Semi VOA (Continued)

## Analysis Batch: 124745 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-5	FS57	Total/NA	Solid	8015 NM	
890-9096-6	FS58	Total/NA	Solid	8015 NM	
890-9096-7	FS59	Total/NA	Solid	8015 NM	
890-9096-8	FS61	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 124356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-1	FS51	Soluble	Solid	DI Leach	
890-9096-2	FS52	Soluble	Solid	DI Leach	
890-9096-3	FS53	Soluble	Solid	DI Leach	
890-9096-4	FS54	Soluble	Solid	DI Leach	
890-9096-5	FS57	Soluble	Solid	DI Leach	
890-9096-6	FS58	Soluble	Solid	DI Leach	
890-9096-7	FS59	Soluble	Solid	DI Leach	
890-9096-8	FS61	Soluble	Solid	DI Leach	
MB 880-124356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9096-1 MS	FS51	Soluble	Solid	DI Leach	
890-9096-1 MSD	FS51	Soluble	Solid	DI Leach	

## Analysis Batch: 124399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9096-1	FS51	Soluble	Solid	300.0	124356
890-9096-2	FS52	Soluble	Solid	300.0	124356
890-9096-3	FS53	Soluble	Solid	300.0	124356
890-9096-4	FS54	Soluble	Solid	300.0	124356
890-9096-5	FS57	Soluble	Solid	300.0	124356
890-9096-6	FS58	Soluble	Solid	300.0	124356
890-9096-7	FS59	Soluble	Solid	300.0	124356
890-9096-8	FS61	Soluble	Solid	300.0	124356
MB 880-124356/1-A	Method Blank	Soluble	Solid	300.0	124356
LCS 880-124356/2-A	Lab Control Sample	Soluble	Solid	300.0	124356
LCSD 880-124356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124356
890-9096-1 MS	FS51	Soluble	Solid	300.0	124356
890-9096-1 MSD	FS51	Soluble	Solid	300.0	124356

Lab Chronicle

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Client Sample ID: FS51  
Date Collected: 11/17/25 14:10  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/24/25 23:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125008	11/24/25 23:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			124745	11/20/25 17:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 17:53	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 11:55	CS	EET MID

Client Sample ID: FS52  
Date Collected: 11/17/25 14:15  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/24/25 23:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125008	11/24/25 23:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			124745	11/20/25 18:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 18:12	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 12:12	CS	EET MID

Client Sample ID: FS53  
Date Collected: 11/17/25 14:50  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-3  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 00:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125008	11/25/25 00:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			124745	11/20/25 18:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 18:31	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 12:18	CS	EET MID

Client Sample ID: FS54  
Date Collected: 11/17/25 14:55  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 00:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125008	11/25/25 00:40	SA	EET MID

Eurofins Carlsbad



Lab Chronicle

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Client Sample ID: FS54  
Date Collected: 11/17/25 14:55  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-4  
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			124745	11/20/25 18:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 18:50	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 12:24	CS	EET MID

Client Sample ID: FS57  
Date Collected: 11/17/25 15:00  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-5  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 01:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125008	11/25/25 01:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			124745	11/20/25 19:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 19:09	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 12:30	CS	EET MID

Client Sample ID: FS58  
Date Collected: 11/17/25 15:05  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-6  
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			5.05 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 01:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125008	11/25/25 01:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			124745	11/20/25 19:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 19:28	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 12:47	CS	EET MID

Client Sample ID: FS59  
Date Collected: 11/17/25 15:10  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-7  
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			5.03 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 01:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125008	11/25/25 01:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			124745	11/21/25 18:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 18:19	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Client Sample ID: FS59  
Date Collected: 11/17/25 15:10  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-7  
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			5.01 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 12:53	CS	EET MID

Client Sample ID: FS61  
Date Collected: 11/17/25 15:20  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9096-8  
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	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 02:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125008	11/25/25 02:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			124745	11/21/25 19:05	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 19:05	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 12:59	CS	EET MID

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

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: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

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: Hasta la vista 1 DI Fed com 001H

Job ID: 890-9096-1  
SDG: 03C1558739

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9096-1	FS51	Solid	11/17/25 14:10	11/18/25 11:06	2
890-9096-2	FS52	Solid	11/17/25 14:15	11/18/25 11:06	3
890-9096-3	FS53	Solid	11/17/25 14:50	11/18/25 11:06	3
890-9096-4	FS54	Solid	11/17/25 14:55	11/18/25 11:06	5
890-9096-5	FS57	Solid	11/17/25 15:00	11/18/25 11:06	5
890-9096-6	FS58	Solid	11/17/25 15:05	11/18/25 11:06	5
890-9096-7	FS59	Solid	11/17/25 15:10	11/18/25 11:06	5
890-9096-8	FS61	Solid	11/17/25 15:20	11/18/25 11:06	5

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



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) 565-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

WC



890-9096 Chain of Custody

11/25/2025

Project Manager:	Jeremy 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:	432-296-0627	Email:	Khomason, Tmorrisey, Trilland, Jreich, Bheall, @ensolum.com
Project Name:	Hasta la Vista 1 Bl Fed Com 001H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	03C1558739	Due Date:	
Project Location:	32.608944, -103.910363	Pres. Code	
Sampler's Name:	Evan Roe	TAT starts the day received by the lab, if received by 4:30pm	
PO #:		Wet Ice:	(Yes) No

<b>SAMPLE RECEIPT</b>	
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Thermometer ID:	140003
Correction Factor:	-0.2
Temperature Reading:	8.6
Corrected Temperature:	8.4

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	CHLORIDES (EPA)	TPH	BTEX											Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
FS51	Soil	11/17/2025	1410	2	Comp	1	1	✓	✓	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Date/Time

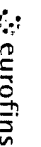
Relinquished by: (Signature)

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

<b>Client Information (Sub Contract Lab)</b>		Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-6135-1
Client Contact: N/A	Phone: N/A	E-Mail: Jessica.Kramer@eurofins.com	State of Origin: New Mexico	Page: Page 1 of 1	
Shipping/Receiving: N/A		Accreditations Required (See note): NELAP - Texas		Job #: 890-9096-1	
Company: Eurofins Environment Testing South Cent		Due Date Requested: 11/24/2025		Preservation Codes: 890-9096-1	
Address: 1211 W. Florida Ave,		City: Midland		Analysis Requested	
State, Zip: TX, 79701		TAT Requested (days): N/A			
Phone: 432-704-5440(Tel)		PO #: N/A			
Email: N/A		WO #: N/A			
Project Name: Hasta la vista 1 DI Fed com 001H		Project #: 89000110			
Site: N/A		SSOW#: N/A			
		Field Filtered Sample (Yes or No)			
		Perform MS/MSD (Yes or No)			
		8015MOD_NM/8015NM_S_Prep(MOD) Full TPH			
		8015MOD_Calc			
		300_ORGFEM_28D/DI_LEACHChloride			
		8021B/5035FP_Calc(MOD) BTEX			
		Total_BTEX_GCV			
		Total Number of containers			
Special Instructions/Note:					
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Weigher, Sample, Compressor, Brittain, AAAL)
FS51 (890-9096-1)	11/17/25	14:10	G	Solid	
FS52 (890-9096-2)	11/17/25	14:15	G	Solid	
FS53 (890-9096-3)	11/17/25	14:50	G	Solid	
FS54 (890-9096-4)	11/17/25	14:55	G	Solid	
FS57 (890-9096-5)	11/17/25	15:00	G	Solid	
FS58 (890-9096-6)	11/17/25	15:05	G	Solid	
FS59 (890-9096-7)	11/17/25	15:10	G	Solid	
FS61 (890-9096-8)	11/17/25	15:20	G	Solid	

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

**Possible Hazard Identification**

Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/OC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: Date/Time: Company:

Relinquished by: Date/Time: Company:

Relinquished by: Date/Time: Company:

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9096-1

SDG Number: 03C1558739

Login Number: 9096

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: 890-9096-1

SDG Number: 03C1558739

Login Number: 9096

List Number: 2

Creator: Lee, Randall

List Source: Eurofins Midland

List Creation: 11/19/25 07:51 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

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 11/25/2025 8:28:16 AM

## JOB DESCRIPTION

HASTA LA VISTA 1 DI FED COM 001H  
03C1558739

## JOB NUMBER

890-9097-1

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  
11/25/2025 8:28:16 AM

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

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Laboratory Job ID: 890-9097-1  
SDG: 03C1558739

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	14
QC Sample Results . . . . .	15
QC Association Summary . . . . .	19
Lab Chronicle . . . . .	22
Certification Summary . . . . .	26
Method Summary . . . . .	27
Sample Summary . . . . .	28
Chain of Custody . . . . .	29
Receipt Checklists . . . . .	32

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
S1-	Surrogate recovery exceeds control limits, low biased.
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: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1

**Job ID: 890-9097-1**

**Eurofins Carlsbad**

### Job Narrative 890-9097-1

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

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

### Receipt

The samples were received on 11/18/2025 11:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS 37 (890-9097-1), FS 42 (890-9097-2), FS 43 (890-9097-3), FS 44 (890-9097-4), FS 45 (890-9097-5), FS 46 (890-9097-6), FS 47 (890-9097-7), FS 48 (890-9097-8), FS 49 (890-9097-9) and FS 50 (890-9097-10).

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

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: FS 46 (890-9097-6) and (LCS 880-124392/2-A). Evidence of matrix interferences is not obvious.

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

### HPLC/IC

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

Eurofins Carlsbad



## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

Client Sample ID: FS 37

Lab Sample ID: 890-9097-1

Date Collected: 11/17/25 12:40

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 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		11/19/25 12:36	11/25/25 03:37	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 03:37	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 03:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 03:37	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 03:37	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/19/25 12:36	11/25/25 03:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/19/25 12:36	11/25/25 03:37	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/25/25 03:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			11/21/25 19:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		11/19/25 09:47	11/21/25 19:20	1
Diesel Range Organics (Over C10-C28)	<50.4	U *	50.4	mg/Kg		11/19/25 09:47	11/21/25 19:20	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		11/19/25 09:47	11/21/25 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	11/19/25 09:47	11/21/25 19:20	1
o-Terphenyl	86		70 - 130	11/19/25 09:47	11/21/25 19:20	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.3		10.0	mg/Kg			11/19/25 13:05	1

Client Sample ID: FS 42

Lab Sample ID: 890-9097-2

Date Collected: 11/17/25 12:45

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 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		11/19/25 12:36	11/25/25 03:57	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/19/25 12:36	11/25/25 03:57	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/19/25 12:36	11/25/25 03:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		11/19/25 12:36	11/25/25 03:57	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/19/25 12:36	11/25/25 03:57	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		11/19/25 12:36	11/25/25 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/19/25 12:36	11/25/25 03:57	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

Client Sample ID: FS 42

Lab Sample ID: 890-9097-2

Date Collected: 11/17/25 12:45

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	11/19/25 12:36	11/25/25 03:57	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			11/25/25 03:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/21/25 19:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0	mg/Kg		11/19/25 09:47	11/21/25 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 19:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			11/19/25 09:47	11/21/25 19:35	1
o-Terphenyl	90		70 - 130			11/19/25 09:47	11/21/25 19:35	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		10.1	mg/Kg			11/19/25 13:11	1

Client Sample ID: FS 43

Lab Sample ID: 890-9097-3

Date Collected: 11/17/25 12:50

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 04:18	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 04:18	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 04:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/25/25 04:18	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 04:18	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/25/25 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/19/25 12:36	11/25/25 04:18	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/19/25 12:36	11/25/25 04:18	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/25/25 04:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			11/21/25 19:50	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

## Client Sample ID: FS 43

## Lab Sample ID: 890-9097-3

Date Collected: 11/17/25 12:50

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		11/19/25 09:47	11/21/25 19:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U *	49.7	mg/Kg		11/19/25 09:47	11/21/25 19:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		11/19/25 09:47	11/21/25 19:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			11/19/25 09:47	11/21/25 19:50	1
o-Terphenyl	84		70 - 130			11/19/25 09:47	11/21/25 19:50	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.0		10.1	mg/Kg			11/19/25 13:17	1

## Client Sample ID: FS 44

## Lab Sample ID: 890-9097-4

Date Collected: 11/17/25 12:55

Matrix: Solid

Date Received: 11/18/25 11:06

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		11/19/25 12:36	11/25/25 04:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 04:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 04:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/19/25 12:36	11/25/25 04:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 04:38	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 12:36	11/25/25 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			11/19/25 12:36	11/25/25 04:38	1
1,4-Difluorobenzene (Surr)	103		70 - 130			11/19/25 12:36	11/25/25 04:38	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/25/25 04:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			11/21/25 20:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		11/19/25 09:47	11/21/25 20:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U *	49.6	mg/Kg		11/19/25 09:47	11/21/25 20:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		11/19/25 09:47	11/21/25 20:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			11/19/25 09:47	11/21/25 20:05	1
o-Terphenyl	87		70 - 130			11/19/25 09:47	11/21/25 20:05	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

## Client Sample ID: FS 44

Lab Sample ID: 890-9097-4

Date Collected: 11/17/25 12:55

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		10.1	mg/Kg			11/19/25 13:34	1

## Client Sample ID: FS 45

Lab Sample ID: 890-9097-5

Date Collected: 11/17/25 13:00

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 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		11/19/25 12:36	11/25/25 04:59	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 04:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 04:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 04:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 04:59	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 04:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			11/19/25 12:36	11/25/25 04:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/19/25 12:36	11/25/25 04:59	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/25/25 04:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/21/25 20:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 20:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0	mg/Kg		11/19/25 09:47	11/21/25 20:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			11/19/25 09:47	11/21/25 20:20	1
o-Terphenyl	85		70 - 130			11/19/25 09:47	11/21/25 20:20	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.6		10.1	mg/Kg			11/19/25 13:40	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

Client Sample ID: FS 46

Lab Sample ID: 890-9097-6

Date Collected: 11/17/25 13:05

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 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		11/19/25 12:36	11/25/25 05:20	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/19/25 12:36	11/25/25 05:20	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/19/25 12:36	11/25/25 05:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/19/25 12:36	11/25/25 05:20	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/19/25 12:36	11/25/25 05:20	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/19/25 12:36	11/25/25 05:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	106		70 - 130			11/19/25 12:36	11/25/25 05:20	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/19/25 12:36	11/25/25 05:20	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/25/25 05:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			11/21/25 20:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		11/19/25 09:47	11/21/25 20:35	1
Diesel Range Organics (Over C10-C28)	<50.3	U *	50.3	mg/Kg		11/19/25 09:47	11/21/25 20:35	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		11/19/25 09:47	11/21/25 20:35	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	162	S1+	70 - 130			11/19/25 09:47	11/21/25 20:35	1
o-Terphenyl	171	S1+	70 - 130			11/19/25 09:47	11/21/25 20:35	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.9		9.94	mg/Kg			11/19/25 13:58	1

Client Sample ID: FS 47

Lab Sample ID: 890-9097-7

Date Collected: 11/17/25 13:50

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 05:40	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 05:40	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 05:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/25/25 05:40	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 05:40	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/25/25 05:40	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	106		70 - 130			11/19/25 12:36	11/25/25 05:40	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

Client Sample ID: FS 47

Lab Sample ID: 890-9097-7

Date Collected: 11/17/25 13:50

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	11/19/25 12:36	11/25/25 05:40	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/25/25 05:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			11/21/25 20:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		11/19/25 09:47	11/21/25 20:52	1
Diesel Range Organics (Over C10-C28)	<50.3	U *	50.3	mg/Kg		11/19/25 09:47	11/21/25 20:52	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		11/19/25 09:47	11/21/25 20:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			11/19/25 09:47	11/21/25 20:52	1
o-Terphenyl	87		70 - 130			11/19/25 09:47	11/21/25 20:52	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.3		9.96	mg/Kg			11/19/25 14:03	1

Client Sample ID: FS 48

Lab Sample ID: 890-9097-8

Date Collected: 11/17/25 13:55

Matrix: Solid

Date Received: 11/18/25 11:06

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		11/19/25 12:36	11/25/25 06:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 06:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 06:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/19/25 12:36	11/25/25 06:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 12:36	11/25/25 06:01	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 12:36	11/25/25 06:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			11/19/25 12:36	11/25/25 06:01	1
1,4-Difluorobenzene (Surr)	93		70 - 130			11/19/25 12:36	11/25/25 06:01	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/25/25 06:01	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			11/21/25 21:06	1

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

## Client Sample ID: FS 48

## Lab Sample ID: 890-9097-8

Date Collected: 11/17/25 13:55

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		11/19/25 09:47	11/21/25 21:06	1
Diesel Range Organics (Over C10-C28)	<50.1	U *	50.1	mg/Kg		11/19/25 09:47	11/21/25 21:06	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		11/19/25 09:47	11/21/25 21:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130			11/19/25 09:47	11/21/25 21:06	1
o-Terphenyl	87		70 - 130			11/19/25 09:47	11/21/25 21:06	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		9.92	mg/Kg			11/19/25 14:09	1

## Client Sample ID: FS 49

## Lab Sample ID: 890-9097-9

Date Collected: 11/17/25 14:00

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 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		11/19/25 12:36	11/25/25 06:21	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 06:21	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 06:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 06:21	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 12:36	11/25/25 06:21	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 12:36	11/25/25 06:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			11/19/25 12:36	11/25/25 06:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130			11/19/25 12:36	11/25/25 06:21	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/25/25 06:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/21/25 21:37	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	<49.8	U	49.8	mg/Kg		11/19/25 09:47	11/21/25 21:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8	mg/Kg		11/19/25 09:47	11/21/25 21:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/19/25 09:47	11/21/25 21:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			11/19/25 09:47	11/21/25 21:37	1
o-Terphenyl	87		70 - 130			11/19/25 09:47	11/21/25 21:37	1

Eurofins Carlsbad



## Client Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

## Client Sample ID: FS 49

## Lab Sample ID: 890-9097-9

Date Collected: 11/17/25 14:00

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.2		9.98	mg/Kg			11/19/25 14:15	1

## Client Sample ID: FS 50

## Lab Sample ID: 890-9097-10

Date Collected: 11/17/25 14:05

Matrix: Solid

Date Received: 11/18/25 11:06

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 06:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 06:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 06:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/25/25 06:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 12:36	11/25/25 06:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 12:36	11/25/25 06:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			11/19/25 12:36	11/25/25 06:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130			11/19/25 12:36	11/25/25 06:42	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/25/25 06:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			11/21/25 21:53	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	<49.7	U	49.7	mg/Kg		11/19/25 09:47	11/21/25 21:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U *	49.7	mg/Kg		11/19/25 09:47	11/21/25 21:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		11/19/25 09:47	11/21/25 21:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			11/19/25 09:47	11/21/25 21:53	1
o-Terphenyl	89		70 - 130			11/19/25 09:47	11/21/25 21:53	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.9		10.0	mg/Kg			11/19/25 14:21	1

Eurofins Carlsbad

## Surrogate Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

## 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)
880-65227-A-1-C MS	Matrix Spike	115	98
880-65227-A-1-D MSD	Matrix Spike Duplicate	115	98
890-9097-1	FS 37	104	95
890-9097-2	FS 42	99	103
890-9097-3	FS 43	106	103
890-9097-4	FS 44	104	103
890-9097-5	FS 45	101	102
890-9097-6	FS 46	106	102
890-9097-7	FS 47	106	97
890-9097-8	FS 48	99	93
890-9097-9	FS 49	98	97
890-9097-10	FS 50	96	101
LCS 880-124415/1-A	Lab Control Sample	117	101
LCSD 880-124415/2-A	Lab Control Sample Dup	119	100
MB 880-124415/5-A	Method Blank	111	88
MB 880-124739/5-A	Method Blank	114	93
<b>Surrogate Legend</b>			
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)
890-9096-A-7-C MS	Matrix Spike	89	81
890-9096-A-7-D MSD	Matrix Spike Duplicate	91	82
890-9097-1	FS 37	76	86
890-9097-2	FS 42	82	90
890-9097-3	FS 43	77	84
890-9097-4	FS 44	82	87
890-9097-5	FS 45	78	85
890-9097-6	FS 46	162 S1+	171 S1+
890-9097-7	FS 47	80	87
890-9097-8	FS 48	79	87
890-9097-9	FS 49	80	87
890-9097-10	FS 50	81	89
LCS 880-124392/2-A	Lab Control Sample	72	66 S1-
LCSD 880-124392/3-A	Lab Control Sample Dup	67 S1-	76
MB 880-124392/1-A	Method Blank	83	88
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

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

Lab Sample ID: MB 880-124415/5-A

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124415

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/20/25 12:36	11/24/25 22:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/20/25 12:36	11/24/25 22:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/20/25 12:36	11/24/25 22:35	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/20/25 12:36	11/24/25 22:35	1

Lab Sample ID: LCS 880-124415/1-A

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1020		mg/Kg		102	70 - 130
Toluene	0.100	0.09259		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2238		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-124415/2-A

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1065		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.09151		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2207		mg/Kg		110	70 - 130	1	35
o-Xylene	0.100	0.1127		mg/Kg		113	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-65227-A-1-C MS

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08666		mg/Kg		87	70 - 130
Toluene	<0.00200	U	0.100	0.07597		mg/Kg		76	70 - 130

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

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

Lab Sample ID: 880-65227-A-1-C MS

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08173		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1781		mg/Kg		89	70 - 130
o-Xylene	<0.00200	U	0.100	0.09131		mg/Kg		91	70 - 130

	MS %Recovery	MS Qualifier	Limits
Surrogate			
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-65227-A-1-D MSD

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124415

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	0.08771		mg/Kg		88	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.07946		mg/Kg		79	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09009		mg/Kg		90	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1916		mg/Kg		96	70 - 130	7	35
o-Xylene	<0.00200	U	0.100	0.09786		mg/Kg		98	70 - 130	7	35

	MSD %Recovery	MSD Qualifier	Limits
Surrogate			
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-124739/5-A

Matrix: Solid

Analysis Batch: 124841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124739

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/21/25 14:30	11/24/25 11:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/21/25 14:30	11/24/25 11:34	1

	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Surrogate						
4-Bromofluorobenzene (Surr)	114		70 - 130	11/21/25 14:30	11/24/25 11:34	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/21/25 14:30	11/24/25 11:34	1

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

Lab Sample ID: MB 880-124392/1-A

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124392

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 17:33	1

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

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

Lab Sample ID: MB 880-124392/1-A

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124392

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/19/25 09:47	11/21/25 17:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			11/19/25 09:47	11/21/25 17:33	1
o-Terphenyl	88		70 - 130			11/19/25 09:47	11/21/25 17:33	1

Lab Sample ID: LCS 880-124392/2-A

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124392

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

Lab Sample ID: LCSD 880-124392/3-A

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124392

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

Lab Sample ID: 890-9096-A-7-C MS

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124392

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

Eurofins Carlsbad

## QC Sample Results

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

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

Lab Sample ID: 890-9096-A-7-D MSD

Matrix: Solid

Analysis Batch: 124654

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124392

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	<49.8	U	995	849.4		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U *	995	698.0		mg/Kg		70	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	82		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124356/1-A

Matrix: Solid

Analysis Batch: 124399

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			11/19/25 11:37	1

Lab Sample ID: LCS 880-124356/2-A

Matrix: Solid

Analysis Batch: 124399

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.0		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-124356/3-A

Matrix: Solid

Analysis Batch: 124399

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	230.7		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 890-9097-3 MS

Matrix: Solid

Analysis Batch: 124399

Client Sample ID: FS 43

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	91.0		252	340.1		mg/Kg		99	90 - 110

Lab Sample ID: 890-9097-3 MSD

Matrix: Solid

Analysis Batch: 124399

Client Sample ID: FS 43

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	91.0		252	334.8		mg/Kg		97	90 - 110	2	20

Eurofins Carlsbad

## QC Association Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

## GC VOA

## Prep Batch: 124415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9097-1	FS 37	Total/NA	Solid	5035	
890-9097-2	FS 42	Total/NA	Solid	5035	
890-9097-3	FS 43	Total/NA	Solid	5035	
890-9097-4	FS 44	Total/NA	Solid	5035	
890-9097-5	FS 45	Total/NA	Solid	5035	
890-9097-6	FS 46	Total/NA	Solid	5035	
890-9097-7	FS 47	Total/NA	Solid	5035	
890-9097-8	FS 48	Total/NA	Solid	5035	
890-9097-9	FS 49	Total/NA	Solid	5035	
890-9097-10	FS 50	Total/NA	Solid	5035	
MB 880-124415/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124415/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124415/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65227-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-65227-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Prep Batch: 124739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124739/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 124841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9097-1	FS 37	Total/NA	Solid	8021B	124415
890-9097-2	FS 42	Total/NA	Solid	8021B	124415
890-9097-3	FS 43	Total/NA	Solid	8021B	124415
890-9097-4	FS 44	Total/NA	Solid	8021B	124415
890-9097-5	FS 45	Total/NA	Solid	8021B	124415
890-9097-6	FS 46	Total/NA	Solid	8021B	124415
890-9097-7	FS 47	Total/NA	Solid	8021B	124415
890-9097-8	FS 48	Total/NA	Solid	8021B	124415
890-9097-9	FS 49	Total/NA	Solid	8021B	124415
890-9097-10	FS 50	Total/NA	Solid	8021B	124415
MB 880-124415/5-A	Method Blank	Total/NA	Solid	8021B	124415
MB 880-124739/5-A	Method Blank	Total/NA	Solid	8021B	124739
LCS 880-124415/1-A	Lab Control Sample	Total/NA	Solid	8021B	124415
LCSD 880-124415/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124415
880-65227-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	124415
880-65227-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124415

## Analysis Batch: 125009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9097-1	FS 37	Total/NA	Solid	Total BTEX	
890-9097-2	FS 42	Total/NA	Solid	Total BTEX	
890-9097-3	FS 43	Total/NA	Solid	Total BTEX	
890-9097-4	FS 44	Total/NA	Solid	Total BTEX	
890-9097-5	FS 45	Total/NA	Solid	Total BTEX	
890-9097-6	FS 46	Total/NA	Solid	Total BTEX	
890-9097-7	FS 47	Total/NA	Solid	Total BTEX	
890-9097-8	FS 48	Total/NA	Solid	Total BTEX	
890-9097-9	FS 49	Total/NA	Solid	Total BTEX	
890-9097-10	FS 50	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad



QC Association Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

GC Semi VOA

Prep Batch: 124392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9097-1	FS 37	Total/NA	Solid	8015NM Prep	
890-9097-2	FS 42	Total/NA	Solid	8015NM Prep	
890-9097-3	FS 43	Total/NA	Solid	8015NM Prep	
890-9097-4	FS 44	Total/NA	Solid	8015NM Prep	
890-9097-5	FS 45	Total/NA	Solid	8015NM Prep	
890-9097-6	FS 46	Total/NA	Solid	8015NM Prep	
890-9097-7	FS 47	Total/NA	Solid	8015NM Prep	
890-9097-8	FS 48	Total/NA	Solid	8015NM Prep	
890-9097-9	FS 49	Total/NA	Solid	8015NM Prep	
890-9097-10	FS 50	Total/NA	Solid	8015NM Prep	
MB 880-124392/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124392/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124392/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9096-A-7-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9096-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9097-1	FS 37	Total/NA	Solid	8015B NM	124392
890-9097-2	FS 42	Total/NA	Solid	8015B NM	124392
890-9097-3	FS 43	Total/NA	Solid	8015B NM	124392
890-9097-4	FS 44	Total/NA	Solid	8015B NM	124392
890-9097-5	FS 45	Total/NA	Solid	8015B NM	124392
890-9097-6	FS 46	Total/NA	Solid	8015B NM	124392
890-9097-7	FS 47	Total/NA	Solid	8015B NM	124392
890-9097-8	FS 48	Total/NA	Solid	8015B NM	124392
890-9097-9	FS 49	Total/NA	Solid	8015B NM	124392
890-9097-10	FS 50	Total/NA	Solid	8015B NM	124392
MB 880-124392/1-A	Method Blank	Total/NA	Solid	8015B NM	124392
LCS 880-124392/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124392
LCSD 880-124392/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124392
890-9096-A-7-C MS	Matrix Spike	Total/NA	Solid	8015B NM	124392
890-9096-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	124392

Analysis Batch: 124817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9097-1	FS 37	Total/NA	Solid	8015 NM	
890-9097-2	FS 42	Total/NA	Solid	8015 NM	
890-9097-3	FS 43	Total/NA	Solid	8015 NM	
890-9097-4	FS 44	Total/NA	Solid	8015 NM	
890-9097-5	FS 45	Total/NA	Solid	8015 NM	
890-9097-6	FS 46	Total/NA	Solid	8015 NM	
890-9097-7	FS 47	Total/NA	Solid	8015 NM	
890-9097-8	FS 48	Total/NA	Solid	8015 NM	
890-9097-9	FS 49	Total/NA	Solid	8015 NM	
890-9097-10	FS 50	Total/NA	Solid	8015 NM	

## QC Association Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

## HPLC/IC

## Leach Batch: 124356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9097-1	FS 37	Soluble	Solid	DI Leach	
890-9097-2	FS 42	Soluble	Solid	DI Leach	
890-9097-3	FS 43	Soluble	Solid	DI Leach	
890-9097-4	FS 44	Soluble	Solid	DI Leach	
890-9097-5	FS 45	Soluble	Solid	DI Leach	
890-9097-6	FS 46	Soluble	Solid	DI Leach	
890-9097-7	FS 47	Soluble	Solid	DI Leach	
890-9097-8	FS 48	Soluble	Solid	DI Leach	
890-9097-9	FS 49	Soluble	Solid	DI Leach	
890-9097-10	FS 50	Soluble	Solid	DI Leach	
MB 880-124356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9097-3 MS	FS 43	Soluble	Solid	DI Leach	
890-9097-3 MSD	FS 43	Soluble	Solid	DI Leach	

## Analysis Batch: 124399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9097-1	FS 37	Soluble	Solid	300.0	124356
890-9097-2	FS 42	Soluble	Solid	300.0	124356
890-9097-3	FS 43	Soluble	Solid	300.0	124356
890-9097-4	FS 44	Soluble	Solid	300.0	124356
890-9097-5	FS 45	Soluble	Solid	300.0	124356
890-9097-6	FS 46	Soluble	Solid	300.0	124356
890-9097-7	FS 47	Soluble	Solid	300.0	124356
890-9097-8	FS 48	Soluble	Solid	300.0	124356
890-9097-9	FS 49	Soluble	Solid	300.0	124356
890-9097-10	FS 50	Soluble	Solid	300.0	124356
MB 880-124356/1-A	Method Blank	Soluble	Solid	300.0	124356
LCS 880-124356/2-A	Lab Control Sample	Soluble	Solid	300.0	124356
LCSD 880-124356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124356
890-9097-3 MS	FS 43	Soluble	Solid	300.0	124356
890-9097-3 MSD	FS 43	Soluble	Solid	300.0	124356

Lab Chronicle

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

Client Sample ID: FS 37  
Date Collected: 11/17/25 12:40  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9097-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 03:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 03:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 19:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 19:20	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 13:05	CS	EET MID

Client Sample ID: FS 42  
Date Collected: 11/17/25 12:45  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9097-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 03:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 19:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 19:35	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 13:11	CS	EET MID

Client Sample ID: FS 43  
Date Collected: 11/17/25 12:50  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9097-3  
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	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 04:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 04:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 19:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 19:50	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 13:17	CS	EET MID

Client Sample ID: FS 44  
Date Collected: 11/17/25 12:55  
Date Received: 11/18/25 11:06

Lab Sample ID: 890-9097-4  
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			5.01 g	5 mL	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 04:38	SA	EET MID

Eurofins Carlsbad

## Lab Chronicle

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

Client Sample ID: FS 44

Lab Sample ID: 890-9097-4

Date Collected: 11/17/25 12:55

Matrix: Solid

Date Received: 11/18/25 11:06

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			124817	11/21/25 20:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 20:05	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 13:34	CS	EET MID

Client Sample ID: FS 45

Lab Sample ID: 890-9097-5

Date Collected: 11/17/25 13:00

Matrix: Solid

Date Received: 11/18/25 11:06

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	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 04:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 20:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 20:20	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 13:40	CS	EET MID

Client Sample ID: FS 46

Lab Sample ID: 890-9097-6

Date Collected: 11/17/25 13:05

Matrix: Solid

Date Received: 11/18/25 11:06

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	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 05:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 05:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 20:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 20:35	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 13:58	CS	EET MID

Client Sample ID: FS 47

Lab Sample ID: 890-9097-7

Date Collected: 11/17/25 13:50

Matrix: Solid

Date Received: 11/18/25 11:06

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	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 05:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 05:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 20:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 20:52	SA	EET MID

Eurofins Carlsbad

## Lab Chronicle

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

**Client Sample ID: FS 47****Lab Sample ID: 890-9097-7****Date Collected: 11/17/25 13:50****Matrix: Solid****Date Received: 11/18/25 11:06**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 14:03	CS	EET MID

**Client Sample ID: FS 48****Lab Sample ID: 890-9097-8****Date Collected: 11/17/25 13:55****Matrix: Solid****Date Received: 11/18/25 11:06**

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	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 06:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 06:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 21:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 21:06	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 14:09	CS	EET MID

**Client Sample ID: FS 49****Lab Sample ID: 890-9097-9****Date Collected: 11/17/25 14:00****Matrix: Solid****Date Received: 11/18/25 11:06**

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	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 06:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 06:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 21:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 21:37	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 14:15	CS	EET MID

**Client Sample ID: FS 50****Lab Sample ID: 890-9097-10****Date Collected: 11/17/25 14:05****Matrix: Solid****Date Received: 11/18/25 11:06**

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	124415	11/19/25 12:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124841	11/25/25 06:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125009	11/25/25 06:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			124817	11/21/25 21:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124392	11/19/25 09:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124654	11/21/25 21:53	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124356	11/18/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124399	11/19/25 14:21	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

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

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

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: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

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: HASTA LA VISTA 1 DI FED COM 001H

Job ID: 890-9097-1  
SDG: 03C1558739

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9097-1	FS 37	Solid	11/17/25 12:40	11/18/25 11:06	3
890-9097-2	FS 42	Solid	11/17/25 12:45	11/18/25 11:06	3
890-9097-3	FS 43	Solid	11/17/25 12:50	11/18/25 11:06	3
890-9097-4	FS 44	Solid	11/17/25 12:55	11/18/25 11:06	3
890-9097-5	FS 45	Solid	11/17/25 13:00	11/18/25 11:06	3
890-9097-6	FS 46	Solid	11/17/25 13:05	11/18/25 11:06	3
890-9097-7	FS 47	Solid	11/17/25 13:50	11/18/25 11:06	3
890-9097-8	FS 48	Solid	11/17/25 13:55	11/18/25 11:06	3
890-9097-9	FS 49	Solid	11/17/25 14:00	11/18/25 11:06	3
890-9097-10	FS 50	Solid	11/17/25 14:05	11/18/25 11:06	3





Environment Testing  
Xenoco

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.xenoco.com Page 1 of 1

11/25/2025

Chain of Custody

Project Manager:	Jeremy 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:	432-296-0627	Email:	Kthomasen, Timorissy, Thilard, Jreich, Bbeill@ensolum.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> RP <input type="checkbox"/> Rowfields <input type="checkbox"/> KC <input type="checkbox"/> perfund
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:



890-9097 Chain of Custody

Project Name:	Hasta la Vista 1 DI Fed Com 001H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	03C1558739	Due Date:			
Project Location:	32.608944, -103.910363	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Evan Roe				
PO #:					
SAMPLE RECEIPT	Temp Blank: Yes (No) No	Thermometer ID: (Yes) No	Wet Ice: (Yes) No		
Samples Received Inact:	Yes (No) No	Correction Factor: -0.2			
Cooler Custody Seals:	Yes (No) No	Temperature Reading: 8.6			
Sample Custody Seals:	Yes (No) No	Corrected Temperature: 8.4			
Total Containers:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grav/Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH	BTEX	Preservative Codes	Sample Comments
FS37	Soil	11/17/2025	1240	3	Comp	1	✓	✓	✓	None: NO DI Water: H <sub>2</sub> O	Incident ID: nAPP2524648926
FS42	Soil	11/17/2025	1245	3	Comp	1	✓	✓	✓	Cool: Cool MeOH: Me	CC: 1141001001
FS43	Soil	11/17/2025	1250	3	Comp	1	✓	✓	✓	HCL: HC HNO <sub>3</sub> : HN	GFCM: 48605000
FS44	Soil	11/17/2025	1255	3	Comp	1	✓	✓	✓	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	
FS45	Soil	11/17/2025	1300	3	Comp	1	✓	✓	✓	H <sub>3</sub> PO <sub>4</sub> : HP	
FS46	Soil	11/17/2025	1305	3	Comp	1	✓	✓	✓	NaHSO <sub>4</sub> : NABIS	
FS47	Soil	11/17/2025	1350	3	Comp	1	✓	✓	✓	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
FS48	Soil	11/17/2025	1355	3	Comp	1	✓	✓	✓	Zn Acetate+NaOH: Zn	
FS49	Soil	11/17/2025	1400	3	Comp	1	✓	✓	✓	NaOH+Ascorbic Acid: SAPC	
FS50	Soil	11/17/2025	1405	3	Comp	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 SiO <sub>2</sub> 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 / 77471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenoco 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 Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenoco, 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



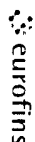
Environment Testing

<b>Client Information (Sub Contract Lab)</b>		Sampler: N/A	Lab PM: Kramer, Jessica	COC No: 890-6136-1								
Client Contact: N/A		Phone: N/A	E-Mail: Jessica.Kramer@et.eurofins.com	State of Origin: New Mexico								
Shipping/Receiving: N/A		Accreditations Required (See note): NELAP - Texas		Page: Page 1 of 2								
Company: Eurofins Environment Testing South Cent		Due Date Requested: 11/24/2025		Job #: 890-9097-1								
Address: 1211 W. Florida Ave.		TAT Requested (days): N/A		Preservation Codes: 890-9097-1								
City: Midland		<b>Analysis Requested</b>										
State, Zip: TX, 79701												
Phone: 432-704-5440(Tel)												
Email: N/A												
Project Name: HASTA LA VISTA 1 DI FED COM 001H												
Site: N/A		SSOW#: N/A		Other: N/A								
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Weirater, Solid, Compositi, BCT/Trace, A=Al)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers		Special Instructions/Note:		
FS 37 (890-9097-1)	11/17/25	12:40	G	Solid		X	X	X	X	X	1	
FS 42 (890-9097-2)	11/17/25	12:45	G	Solid		X	X	X	X	X	1	
FS 43 (890-9097-3)	11/17/25	12:50	G	Solid		X	X	X	X	X	1	
FS 44 (890-9097-4)	11/17/25	12:55	G	Solid		X	X	X	X	X	1	
FS 45 (890-9097-5)	11/17/25	13:00	G	Solid		X	X	X	X	X	1	
FS 46 (890-9097-6)	11/17/25	13:05	G	Solid		X	X	X	X	X	1	
FS 47 (890-9097-7)	11/17/25	13:50	G	Solid		X	X	X	X	X	1	
FS 48 (890-9097-8)	11/17/25	13:55	G	Solid		X	X	X	X	X	1	
FS 49 (890-9097-9)	11/17/25	14:00	G	Solid		X	X	X	X	X	1	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte &amp; 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/estimation being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.</p>												
<b>Possible Hazard Identification</b>												
<b>Unconfirmed</b>												
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2												
Empty Kit Relinquished by: Date: Time: Method of Shipment:												
Relinquished by: Date/Time: Company: Received by: Date/Time: Company:												
Relinquished by: Date/Time: Company: Received by: Date/Time: Company:												
Relinquished by: Date/Time: Company: Received by: Date/Time: Company:												
Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:												
A Yes A No												

## Eurofins Carlsbad

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

## Chain of Custody Record



### Environment Testing

[illegible]

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9097-1

SDG Number: 03C1558739

Login Number: 9097

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: 890-9097-1

SDG Number: 03C1558739

Login Number: 9097

List Number: 2

Creator: Lee, Randall

List Source: Eurofins Midland

List Creation: 11/19/25 07:53 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 Spill Volume Calculation

---

<b>Location:</b>	<b>Hasta La Vista 1 Fed Com 001H</b>	
<b>Spill Date:</b>	<b>9/3/2025</b>	
<b>Incident #:</b>	<b>nAPP2524648926</b>	
<b>Area 1</b>		
Approximate Area =	11382	sq. ft.
Average Saturation (or depth) of spill =	0.50	inches
Average Porosity Factor =	0.20	
VOLUME OF LEAK		
Total Crude Oil =	17.00	bbls
Total Produced Water =		bbls
<b>Area 2</b>		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =		bbls
<b>TOTAL VOLUME OF LEAK</b>		
Total Crude Oil =	17.00	bbls
Total Produced Water =		bbls
<b>TOTAL VOLUME RECOVERED</b>		
Total Crude Oil =	0.00	bbls
Total Produced Water =		bbls

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 503418

QUESTIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  503418
	Action Type:  [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2524648926
Incident Name	NAPP2524648926 HASTA LA VISTA 1 DI FEDERAL COM #001H @ 30-015-42533
Incident Type	Other
Incident Status	Initial C-141 Received
Incident Well	[30-015-42533] HASTA LA VISTA 1 DI FEDERAL COM #001H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HASTA LA VISTA 1 DI FEDERAL COM #001H
Date Release Discovered	09/03/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other   Other (Specify)   Crude Oil   Released: 17 BBL   Recovered: 0 BBL   Lost: 17 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	ILLEGAL OIL DUMP ON AND OFF PAD. 17 BBLS OIL RECOVERED

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 2

Action 503418

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 503418
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: 09/05/2025
--	--

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 503418

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  503418
	Action Type:  [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<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.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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.

<b>Remediation Plan</b>	
<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>	

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

CONDITIONS

Action 503418

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  503418
	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 12/02/2025, 90-days after the discovery of the release.	9/8/2025

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 530816

**QUESTIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530816
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2524648926
Incident Name	NAPP2524648926 HASTA LA VISTA 1 DI FEDERAL COM #001H @ 30-015-42533
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-42533] HASTA LA VISTA 1 DI FEDERAL COM #001H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	HASTA LA VISTA 1 DI FEDERAL COM #001H
Date Release Discovered	09/03/2025
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

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

Crude Oil Released (bbls) Details	Cause: Other   Other (Specify)   Crude Oil   Released: 17 BBL   Recovered: 0 BBL   Lost: 17 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	ILLEGAL OIL DUMP ON AND OFF PAD. 17 BBLS OIL RECOVERED



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 2

Action 530816

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	530816
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: 12/01/2025
--	---

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 530816

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  530816
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	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	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<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
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	290
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	98.2
GRO+DRO (EPA SW-846 Method 8015M)	71.5
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	09/18/2025
On what date will (or did) the final sampling or liner inspection occur	11/24/2025
On what date will (or was) the remediation complete(d)	11/24/2025
What is the estimated surface area (in square feet) that will be reclaimed	12281
What is the estimated volume (in cubic yards) that will be reclaimed	1402
What is the estimated surface area (in square feet) that will be remediated	12281
What is the estimated volume (in cubic yards) that will be remediated	1402
<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>	

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 4

Action 530816

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 530816
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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: 12/01/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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 5

Action 530816

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  530816
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Sante Fe Main Office  
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 6

Action 530816

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	530816
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	528081
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/24/2025
What was the (estimated) number of samples that were to be gathered	57
What was the sampling surface area in square feet	11382

**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	12281
What was the total volume (cubic yards) remediated	1402
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	12281
What was the total volume (in cubic yards) reclaimed	1402
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site to address the September 2025 illegal dump of crude oil. 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 NAPP2524648926.

*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: 12/01/2025
--	---

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

General Information  
Phone: (505) 629-6116

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

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 530816

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  530816
	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

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**

CONDITIONS

Action 530816

**CONDITIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	530816
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**CONDITIONS**

Created By	Condition	Condition Date
michael.buchanan	Remediation closure request and reclamation plan is approved.	12/5/2025
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.	12/5/2025
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.	12/5/2025
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.	12/5/2025
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.	12/5/2025
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.	12/5/2025