



ENSOLUM

February 20, 2026

New Mexico Oil Conservation Division

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

**Re: Closure Request
E.L. Federal No. 5 Production Facility
Incident Number nAPP2514741238
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities performed at the E.L. Federal No. 5 Production Facility (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to address impacts to soil resulting from a release of produced water at the Site. Based on excavation activities and laboratory analytical results, Hilcorp is submitting this *Closure Request* describing remediation activities that have occurred and is requesting no further action and closure for Incident Number nAPP2514741238.

SITE BACKGROUND

The Site is located in Unit I, Section 21, Township 17 South, Range 30 East, in Eddy County, New Mexico (32.8192032°, -103.9698116°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On May 25, 2025, equipment failure on a flowline resulted in the release of 20 barrels (bbls) of produced water onto the well pad and into the surrounding pasture. Upon discovery, the line was immediately shut-in, repaired, and a vacuum truck was immediately dispatched to the Site to recover free-standing fluids. Approximately 18 bbls of released fluids were recovered. Hilcorp reported the release to the New Mexico Oil Conservation Division (NMOCD) via a *Notification of Release* (NOR) on May 27, 2025, and subsequently submitted a *Release Notification Form C-141* (C-141) on June 9, 2025. The release was assigned Incident Number nAPP2514741238.

SITE CHARACTERIZATION

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 greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater. On November 5, 2025, a soil boring (BH01), permitted by the New Mexico Office of the State Engineer (NMOSE) as RA-13654 POD 1, was drilled approximately 0.1 miles to the northeast of the Site. The soil boring was drilled

to a depth of 110 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed groundwater beneath the Site is greater than 110 feet bgs. The borehole was properly abandoned in accordance with the NMOSE approved Plugging Plan. The well log is included in Appendix A.

The closest continuously flowing or significant water course to the Site according to the NMOCD Oil and Gas Map is a seasonal dry wash, located approximately 540 feet southeast of the Site. Upon review of the significant water course, it was observed to be a pipeline right-of-way (ROW). The closest confirmed continuously flowing or significant water course is a seasonal dry wash, located approximately 2.32 miles southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

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

A Closure Criteria of 600 mg/kg chloride, 100 mg/kg TPH, and 50 mg/kg for BTEX was applied to the initial 4 feet bgs in the pasture that was affected by the release per NMAC 19.15.29.13.D (1), for areas that will be reclaimed.

ASSESSMENT SOIL SAMPLING ACTIVITIES

On May 30, 2025 and December 3, 2025, Ensolum evaluated the release extent based on visual observations and information provided by Hilcorp. Fifteen assessment soil samples (SS01 through SS15) were collected within and around the release extent from a depth of approximately 0.5 feet bgs to assess for the presence or absence of impacted soil. The assessment soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and assessment soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit, and a photographic log is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Environment Testing (Eurofins) in Carlsbad, New Mexico or Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics

(ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0 or Standard Method 4500.

Laboratory analytical results for assessment soil samples SS02 through SS05, collected within the release extent, indicated that chloride concentrations exceeded reclamation requirements. Laboratory analytical results for assessment soil samples SS01, and SS06 through SS15, indicated that all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements where applicable, and successfully defined the lateral extent of the release. Based on visible staining in the release area and laboratory analytical results for the assessment soil samples SS02 through SS05, further remediation activities were warranted.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

On December 2, 2025, a sampling frequency plan request was submitted via email to the NMOCD for a sampling frequency of no more than 400 square feet. The variance was approved by the NMOCD on December 4, 2025, indicating that both the floor and sidewall sampling are to be conducted every 400 square feet. NMOCD correspondence is included in Appendix C.

On December 9, 2025, and January 13, 2026, Ensolum returned to the Site to collect confirmation soil samples on the well pad within the release extent. Ten confirmation samples were collected at depths ranging from 0.2 to 0.25 feet bgs following a scrape of surficial soils. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The soil samples were field screened, handled, and analyzed as described above.

Between December 1, 2025, and February 5, 2026, Ensolum personnel were at the Site to oversee excavation activities based on visible staining and laboratory analytical results. Excavation activities were performed via hydro vacuum truck, hand excavation, heavy equipment, and transport vehicles. To direct excavation activities, soil was field screened for VOCs and chloride as previously described. The excavation was completed to depths ranging from 0.5 feet to 4 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of impacted soil, 5-point composite soil samples were collected every 400 square feet from the floor and sidewalls of the excavation. Composite floor samples FS01 through FS42 were collected from the floor of the excavation from depth ranging from 0.5 feet to 4 feet bgs. Composite sidewall samples SW01 through SW09 were collected from the sidewalls of the excavation at depths ranging from ground surface to 4 feet bgs. The excavation soil samples were handled and analyzed as previously described. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS unit and are depicted in Figure 3.

The excavation area measured approximately 16,307 square feet in aerial size. A total of approximately 2,148 cubic yards of impacted and waste-containing soil was removed, transported, and properly disposed of at R360 Halfway Disposal in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for soil samples CS01 through CS10 collected on the well pad, with the exception of CS06, indicated that all COCs were compliant with the Site Closure Criteria. Confirmation soil sample CS06 indicated that TPH-GRO/TPH-DRO concentrations exceeded Site Closure Criteria. After excavation in the vicinity of CS06, Ensolum collected an additional soil sample from a depth of 0.5 feet bgs. Laboratory analytical results for the final confirmation soil sample, CS06 at 0.5 ft bgs, indicated that all COCs were compliant with the Site Closure Criteria.

Laboratory analytical results for excavation floor samples FS01, FS02, FS04, FS05, and FS08 through FS42 indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements, where applicable. Laboratory analytical results for FS03, FS06 and FS07 indicated that TPH-GRO/TPH-DRO concentrations exceeded Site Closure Criteria and required additional excavation. Additional excavation was conducted in the vicinity of FS03, FS06 and FS07 and resampled at approximately 1-foot bgs. Laboratory analytical results for FS06A, and FS07A indicated that all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for FS03A indicated that TPH-GRO/TPH-DRO concentrations exceeded Site Closure Criteria and required additional excavation. Additional soil was excavated in the vicinity of FS03A and was resampled at approximately 1.5 feet bgs. Laboratory analytical results for FS03B indicated that all COC concentrations were compliant with the Site Closure Criteria.

Laboratory analytical results for excavation sidewall samples SW01, and SW03 through SW09 indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for SW02 indicated that TPH concentrations exceeded Site Closure Criteria and required additional excavation. Additional soil was excavated in the vicinity of SW02 and resampled at depths ranging from ground surface to 1-foot bgs. Laboratory analytical results for SW02A indicated that all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Site assessment, excavation, and sampling activities were conducted at the Site to address the May 2025 release of produced water. Laboratory analytical results for the final confirmation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements, where applicable. Based on laboratory analytical results, no further remediation is required. Hilcorp will backfill the excavation with material sourced locally and recontour the Site to match pre-existing site conditions.

Excavation of impacted soil has mitigated adverse effects at this Site. Depth to groundwater is confirmed to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. Hilcorp believes these remedial actions are protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number nAPP2514741238.

If you have any questions or comments, please contact Ms. Kalei Jennings at (817) 683-2503 or kjennings@ensolum.com.

Sincerely,
Ensolum, LLC



Kara Naegeli
Staff Geologist



Kalei Jennings
Senior Managing Scientist

cc: Billy Ginn, Hilcorp Energy Company
BLM

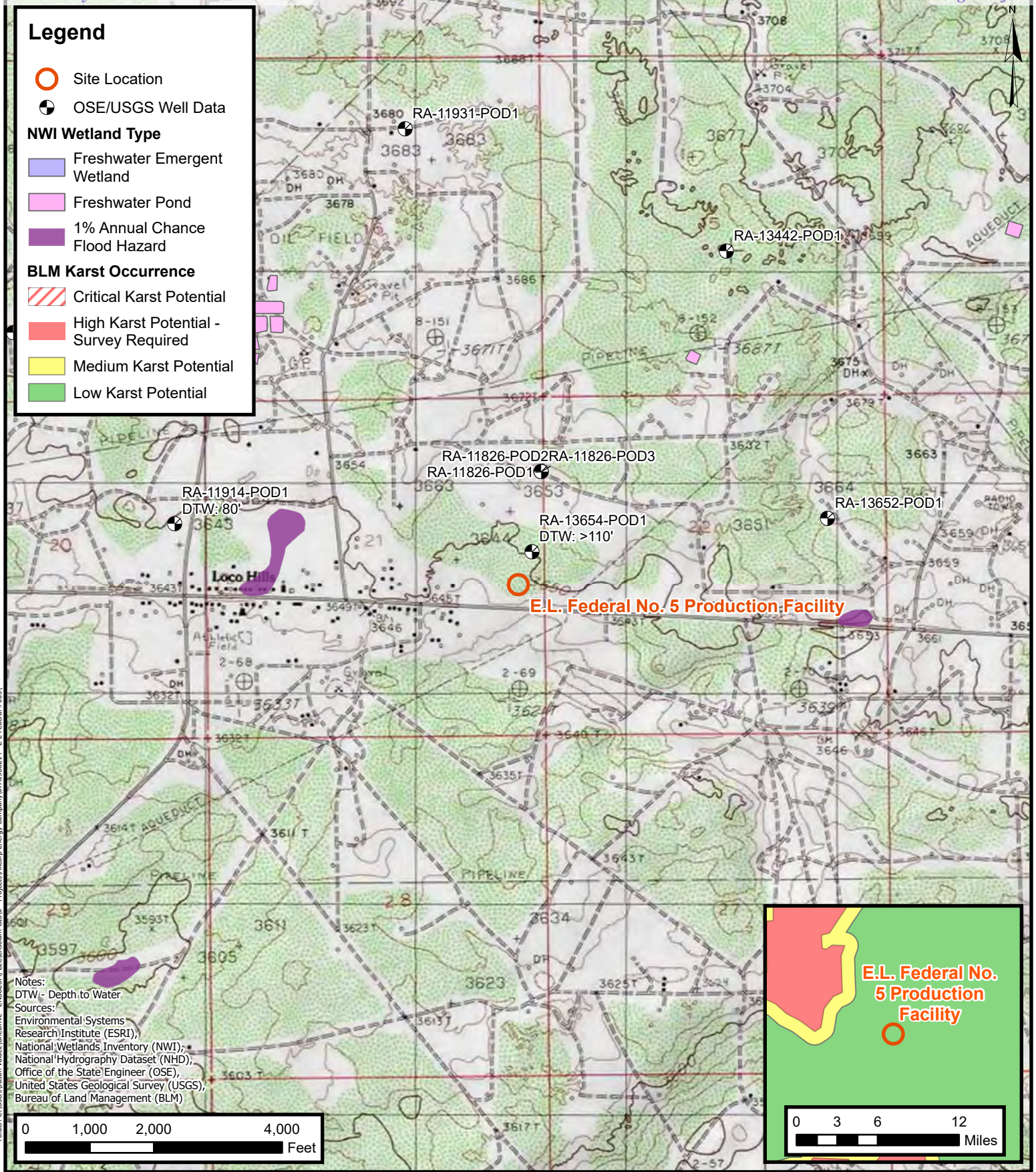
Appendices:

Figure 1	Site Receptor Map
Figure 2	Assessment 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	NMOCD Correspondence
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation



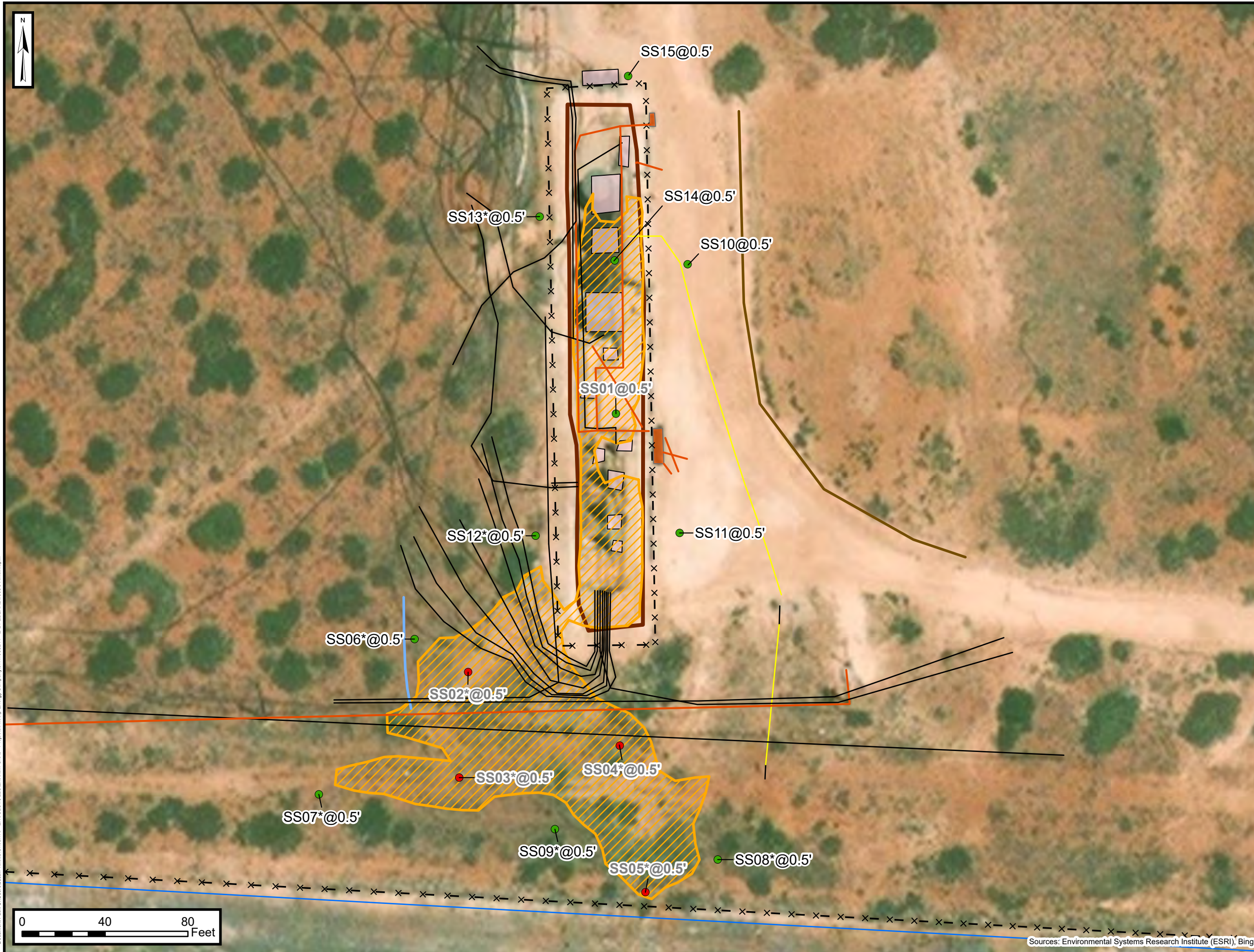
FIGURES





Site Receptor Map
 Hilcorp Energy Company
 E.L. Federal No. 5 Production Facility
 Incident Number: nAPP2514741238
 Unit I, Section 21, Township 17 South, Range 30 East
 Eddy County, New Mexico

FIGURE
1



Legend

- Assessment Soil Sample in Compliance with Closure Criteria
- Assessment Soil Sample with Concentrations Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Surface Line
- Water Utility Line
- Hydrovac Line
- x — Fence
- Earthen Berm
- ▨ Release Extent
- ▭ Berm
- ▭ Electrical
- ▭ Infrastructure

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.

Assessment Soil Sample Locations
 Hilcorp Energy Company
 E.L. Federal No. 5 Production Facility
 Incident Number: nAPP2514741238
 Unit 1, Section 21, Township 17 South, Range 30 East
 Eddy County, New Mexico

FIGURE 2



Document Path: C:\Users\julin.Velazquez\OneDrive - ENSOLUM, L.L.C\Enso\GIS0 - Project\Hilcorp Energy Company\07A1088214 - E.L. FEDERAL #005\Main.aprx

Sources: Environmental Systems Research Institute (ESRI), Bing



Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Confirmation Surface Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Utility Line
- Water Utility Line
- Surface Line
- Hydrovac Line
- X - Fence
- Earthen Berm
- ▨ Excavation Extent
- ▭ Berm
- ▭ Electrical
- ▭ Infrastructure

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.

Confirmation Soil Sample Locations
 Hilcorp Energy Company
 E.L. Federal No. 5 Production Facility
 Incident Number: nAPP2514741238
 Unit I, Section 21, Township 17 South, Range 30 East
 Eddy County, New Mexico

FIGURE 3



Document Path: C:\Users\julin.Velazquez\OneDrive - ENSOLUM, L.L.C\Ensklum GIS0 - Project\Hilcorp Energy Company\07A1088214 - E.L. FEDERAL #005\Main.aprx

Sources: Environmental Systems Research Institute (ESRI), Bing



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 E.L. Federal No. 5 Production Facility
 Hilcorp Energy Company
 Eddy County, New Mexico

Sample Designation	Date	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)
NMOCB Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Reclamation Requirements			10	50	NE	NE	NE	NE	100	600
Assessment Soil Samples										
SS01	05/30/2025	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	17,000
SS02*	05/30/2025	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	10,700*
SS03*	05/30/2025	0.5	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	8,450*
SS04*	05/30/2025	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	7,070*
SS05*	05/30/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	8,830*
SS06*	05/30/2025	0.5	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	105*
SS07*	05/30/2025	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	86.6*
SS08*	05/30/2025	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	121*
SS09*	05/30/2025	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	84.4*
SS10*	05/30/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	130*
SS11	05/30/2025	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	332
SS12*	05/30/2025	0.5	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	83.5*
SS13*	05/30/2025	0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	129*
SS14	12/03/2025	0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	6,780
SS15	12/03/2025	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	14.1
Confirmation Soil Samples										
CS01	12/09/2025	0.2	<0.050	<0.300	<10.0	82.4	32.3	82.4	115	3,920
CS02	12/09/2025	0.2	<0.050	<0.300	<10.0	32.2	15.9	32.2	48.1	1,180
CS03	12/09/2025	0.2	<0.050	<0.300	<10.0	383	171	383	554	3,880
CS04	12/09/2025	0.2	<0.050	<0.300	<10.0	84.9	25.1	84.9	110	2,760
CS05	12/09/2025	0.2	<0.050	<0.300	<10.0	367	180	367	547	7,520
CS06	12/09/2025	0.2	<0.050	<0.300	23.0	2,000	346	2,023	2,369	8,480
CS06	12/30/2025	0.5	<0.00202	<0.00404	<50.0	137	<50.0	137	137	5,950
CS07	12/09/2025	0.2	<0.050	<0.300	<10.0	35.9	16.7	35.9	52.6	5,920

CS08	12/09/2025	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,600
CS09	12/09/2025	0.2	<0.050	<0.300	<10.0	59.4	29.9	59.4	89.3	5,040
CS10	01/13/2026	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,760
Excavation Floor Soil Samples										
FS01	12/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,240
FS02	12/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,520
FS03	12/09/2025	0.5	<0.050	<0.300	<10.0	1,010	327.0	1,010	1,337	7,600
FS03A	01/07/2026	1	<0.00200	<0.00399	<49.8	1,080	<49.8	1,080	1,080	8,850
FS03B	01/20/2026	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	11,900
FS04	12/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,600
FS05	12/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,400
FS06	12/09/2025	0.5	<0.050	<0.300	11.2	1,970	499	1,981	2,480	5,520
FS06A	01/07/2026	1	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	5,440
FS07	12/09/2025	0.5	<0.050	<0.300	<10.0	1,700	430	1,700	2,130	2,240
FS07A	01/07/2026	1	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	4,230
FS08	12/09/2025	0.5	<0.050	<0.300	<10.0	643	186	643	829	1,440
FS09	12/09/2025	0.5	<0.050	<0.300	<10.0	689	276	689	965	7,760
FS10	12/15/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,000
FS11	12/15/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,200
FS12	12/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,400
FS13	12/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,480
FS14	12/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	976
FS15	12/18/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,650
FS16	12/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
FS17	01/14/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,040
FS18	01/14/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS19	01/14/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS20	01/14/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,480
FS21	01/14/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,220
FS22	01/14/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,200
FS23	01/16/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
FS24	01/16/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
FS25	01/16/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,840
FS26	01/16/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,040
FS27	01/16/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,760
FS28	01/16/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,760
FS29	01/19/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,600
FS30	01/19/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,210

FS31	01/21/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS32	01/21/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS33	01/22/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,120
FS34	01/22/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,960
FS35	01/22/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,920
FS36	01/22/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,320
FS37	02/04/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS38	02/05/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,480
FS39	02/05/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS40	02/04/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140
FS41	02/04/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,880
FS42	02/04/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
Excavation Sidewall Soil Samples										
SW01	12/09/2025	0-0.5	<0.050	<0.300	<10.0	50.2	16.7	50.2	66.9	13,600
SW02	12/09/2025	0-0.2	<0.050	<0.300	<10.0	1,860	593	1,860	2,453	7,760
SW02A	01/07/2026	0-1	<0.050	<0.300	<10.0	53.5	14.3	53.5	67.8	2,440
SW03*	12/18/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0*
SW04*	02/04/2026	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160*
SW05*	01/13/2026	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112*
SW06	02/04/2026	0-4	<0.050	<0.300	<10.0	59.2	52.6	59.2	112	320
SW07*	02/04/2026	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288*
SW08*	01/21/2026	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0*
SW09*	02/05/2026	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0*

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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


Grey text represents samples that have been excavated


* indicates sample was collected in area to be reclaimed after remediation is complete; reclamation standard in the top 4 feet is 600 mg/kg for chloride and 100 mg/kg for TPH.




APPENDIX A

Referenced Well Records

							Client: Hilcorp Energy Company		
							Project Name: E L federal #005		
Boring ID: RA-13654 BH01			Project Number: 07A1988214						
Site Sketch: GPS: 32.8192032, -103.9698116							Date: 11/5/2025		
							Logged by: Mario Sarkis		
							Driller: West Texas Water Well Services		
							Drilling Method: Air Rotary		
							Sample Method:		
							Boring Diameter: 6"		Well Diameter:
							Well Material:		
							Surface Completion:		
							Total Depth: 110 feet		
							Casing Interval:		
Grout Interval:			Bentonite Interval:		Sand Interval:				
Depth (ft)	Blow Count	Run / Recovery	Moisture Content	PID (ppm)	Stain	Sample ID	USCS Symbol	Geologic Description	Completion Diagram
0								0-5': Red, clayey sand, cohesive, non-plastic, no odor, loose, medium to fine grained	0
5								5-10': Brown to light tan, sandy caliche, fine to small grained, non-cohesive, non-plastic, no odor	5
10								10-15': Reddish brown, silty sand, ultra fine to fine grained, non-cohesive, low plasticity, no odor, loose	10
15							SP-SM	10-20': Reddish brown, silty sand, ultra fine to fine grained, non-cohesive, low plasticity, no odor, loose, trace caliche gravel	15
20								20-25': Reddish brown, silty sand, ultra fine to fine grained, non-cohesive, low plasticity, no odor, loose, trace caliche gravel	20
25								25-30': Fine sand with little clay, red, cohesive, medium plasticity	25
30									30

							Project Name: E L federal #005		
							Boring ID: BH01		
Depth (ft)	Blow Count	Run / Recovery	Moisture Content	PID (ppm)	Stain	Sample ID	USCS Symbol	Geologic Description	Completion Diagram
30									
35								30-35': Same as 25-30', 20% more clay	
40								35-40': Reddish brown sand, fine, little clay, cohesive, medium plasticity	
45								40-55': Reddish brown, fine grained sand, some silt, cohesive, low plasticity	
50							SP-SM	55-60': Reddish brown, fine grained sand, some silt, cohesive, low plasticity, poorly graded	
55								60-65': Reddish brown, clay, cohesive, high plasticity, well indurated	
60								65-70': Medium to fine grained, coarse grained, sand, reddish brown, few calciche gravels, calciche is secondary, cohesive, very low plasticity	
65									
70									

							Project Name: E L federal #005		
							Boring ID: BH01		
Depth (ft)	Blow Count	Run / Recovery	Moisture Content	PID (ppm)	Stain	Sample ID	USCS Symbol	Geologic Description	Completion Diagram
70									
75								70-80': Medium to fine grained, coarse grained, sand, reddish brown, few caliche gravels, caliche is secondary, cohesive, very low plasticity, trace caliche gravels with few silt	
80									
85									
90							SP-SM	80-100': Reddish brown, clay, cohesive, high plasticity, well indurated	
95									
100									
105								100-110': Fine grained, fat clay with sand, cohesive, high plasticity, fat clays	
110									





APPENDIX B

Photographic Log



Photographic Log

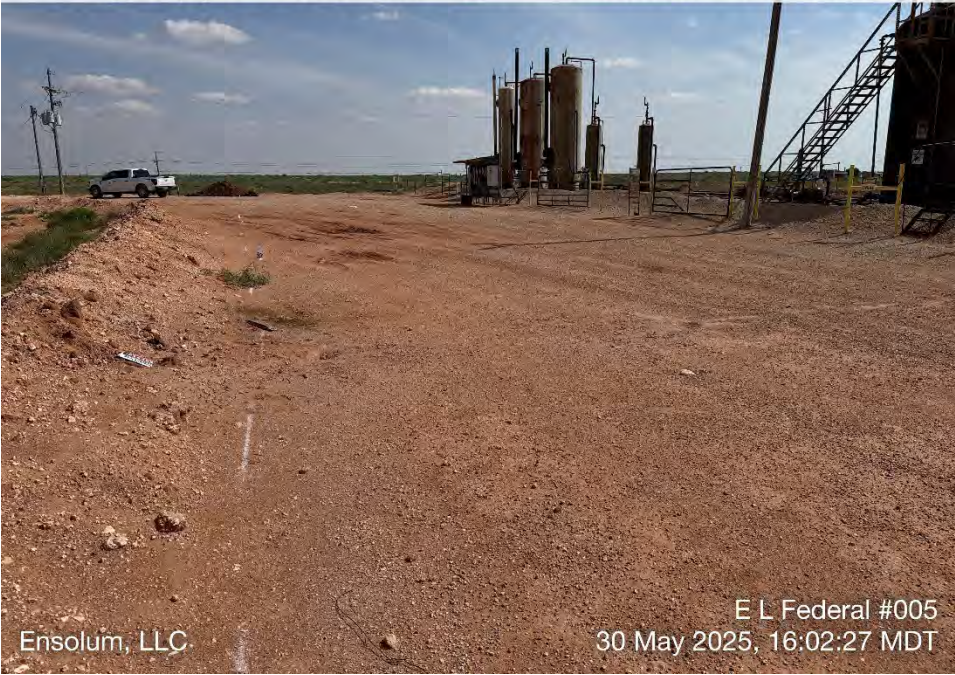

Hilcorp Energy Company
E.L. Federal No. 5 Production Facility
nAPP2514741238

<p><u>Photograph</u> 1</p>	<p><u>Date</u> 5/30/2025</p>	<p>📍 300°NW (T) LAT: 32.819006 LON: -103.969630 ±9ft ▲ 3651ft</p>  <p>Ensolum, LLC</p> <p>E L Federal #005 30 May 2025, 16:01:46 MDT</p>
<p><u>Description</u> Initial release</p>		
<p><u>View</u> Northwest</p>		
<p><u>Photograph</u> 2</p>	<p><u>Date</u> 5/30/2025</p>	<p>📍 296°NW (T) LAT: 32.818478 LON: -103.969745 ±16ft ▲ 3649ft</p>  <p>Ensolum, LLC</p> <p>E L Federal #005 30 May 2025, 12:07:22 MDT</p>
<p><u>Description</u> Initial release staining in pasture</p>		
<p><u>View</u> Northwest</p>		





Photographic Log

Hilcorp Energy Company
E.L. Federal No. 5 Production Facility
nAPP2514741238

<p><u>Photograph</u> 3</p>	<p><u>Date</u> 5/30/2025</p>	<p>📍 196°S (T) LAT: 32.819337 LON: -103.969635 ±6ft ▲ 3652ft</p>  <p>Ensolum, LLC</p> <p>E L Federal #005 30 May 2025, 16:02:27 MDT</p>
<p><u>Description</u> Initial release</p>		
<p><u>View</u> South</p>		
<p><u>Photograph</u> 4</p>	<p><u>Date</u> 12/03/2025</p>	<p>📍 211°SW (T) LAT: 32.819154 LON: -103.969776 ±16ft ▲ 3643ft</p>  <p>Ensolum, LLC</p> <p>E L Federal #005 03 Dec 2025, 14:51:06 MST</p>
<p><u>Description</u> Surface scrape activities</p>		
<p><u>View</u> Southwest</p>		

Photographic Log

Hilcorp Energy Company
 E.L. Federal No. 5 Production Facility
 nAPP2514741238

<p><u>Photograph</u> 5</p>	<p><u>Date</u> 12/03/2025</p>	<p>☉ 161°S (T) LAT: 32.819138 LON: -103.969916 ±19ft ▲ 3638ft</p>  <p>Ensolum, LLC</p> <p>E L Federal #005 03 Dec 2025, 14:53:26 MST</p>
<p><u>Description</u> Surface scrape activities; near FS09</p>		
<p><u>View</u> South</p>		
<p><u>Photograph</u> 6</p>	<p><u>Date</u> 12/09/2025</p>	<p>Date & Time: Tue, Dec 09, 2025 at 10:30:57 MST Position: +032.818831° / -103.969770° (±18.1ft) Altitude: 3650ft (±10.2ft) Datum: WGS-84 Azimuth/Bearing: 272° N88W 4836mils True (±11°) Elevation Angle: -04.2° Horizon Angle: +03.9° Zoom: 0.5X</p> 
<p><u>Description</u> Sampling activities; near FS08</p>		
<p><u>View</u> Northwest</p>		

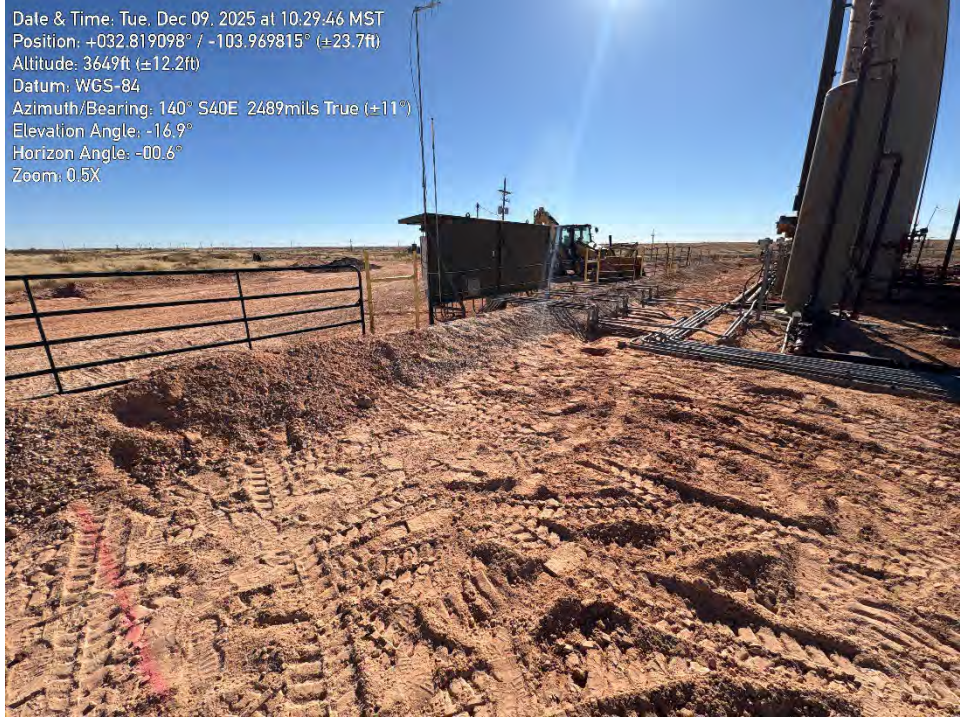



Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238

<p>Photograph 7</p>	<p>Date 12/09/2025</p>	<p>Date & Time: Tue, Dec 09, 2025 at 10:29:46 MST Position: +032.819098° / -103.969815° (±23.7ft) Altitude: 3649ft (±12.2ft) Datum: WGS-84 Azimuth/Bearing: 140° S40E 2489mils True (±11°) Elevation Angle: -16.9° Horizon Angle: -00.6° Zoom: 0.5X</p>
<p>Description Sampling activities</p>		
<p>View Southeast</p>		
<p>Photograph 8</p>	<p>Date 12/15/2025</p>	<p>Date & Time: Mon, Dec 15, 2025 at 09:37:16 MST Position: +032.816438° / -103.969794° (±9.3ft) Altitude: 3651ft (±3.2ft) Datum: WGS-84 Azimuth/Bearing: 276° N84W 4907mils True (±11°) Elevation Angle: -28.2° Horizon Angle: +02.0° Zoom: 0.5X</p>
<p>Description Excavation activities</p>		
<p>View Northwest</p>		





Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238



<p>Photograph 9</p>	<p>Date 12/18/2025</p>	<p>Date & Time: Thu, Dec 18, 2025 at 12:06:00 MST Position: +032.818668° / -103.970234° (±9.9ft) Altitude: 3653ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 112° S68E 1991mils True (±11°) Elevation Angle: -22.5° Horizon Angle: +00.9° Zoom: 0.5X</p> 
<p>Description Excavation activities</p>		
<p>View Southeast</p>		
<p>Photograph 10</p>	<p>Date 12/19/2025</p>	<p>Date & Time: Fri, Dec 19, 2025 at 14:47:10 MST Position: +032.818656° / -103.969892° (±10.3ft) Altitude: 3645ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 238° S58W 4231mils True (±11°) Elevation Angle: -09.0° Horizon Angle: -00.6° Zoom: 0.5X</p> 
<p>Description Excavation activities</p>		
<p>View Southwest</p>		

Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238

<p><u>Photograph</u> 11</p>	<p><u>Date</u> 12/30/2025</p>	<p>📍 137°SE (T) LAT: 32.818938 LON: -103.969852 ±13ft ▲ 3645ft</p>
<p><u>Description</u> Sampling activities, near FS06</p>		 <p>Ensolum, LLC E L Federal #005 30 Dec 2025, 13:58:57 MST</p>
<p><u>View</u> Southeast</p>		
<p><u>Photograph</u> 12</p>	<p><u>Date</u> 12/30/2025</p>	<p>📍 192°S (T) LAT: 32.819348 LON: -103.969812 ±9ft ▲ 3649ft</p>
<p><u>Description</u> Sampling activities; near CS06</p>		 <p>Ensolum, LLC E L Federal #005 30 Dec 2025, 13:56:55 MST</p>
<p><u>View</u> North</p>		


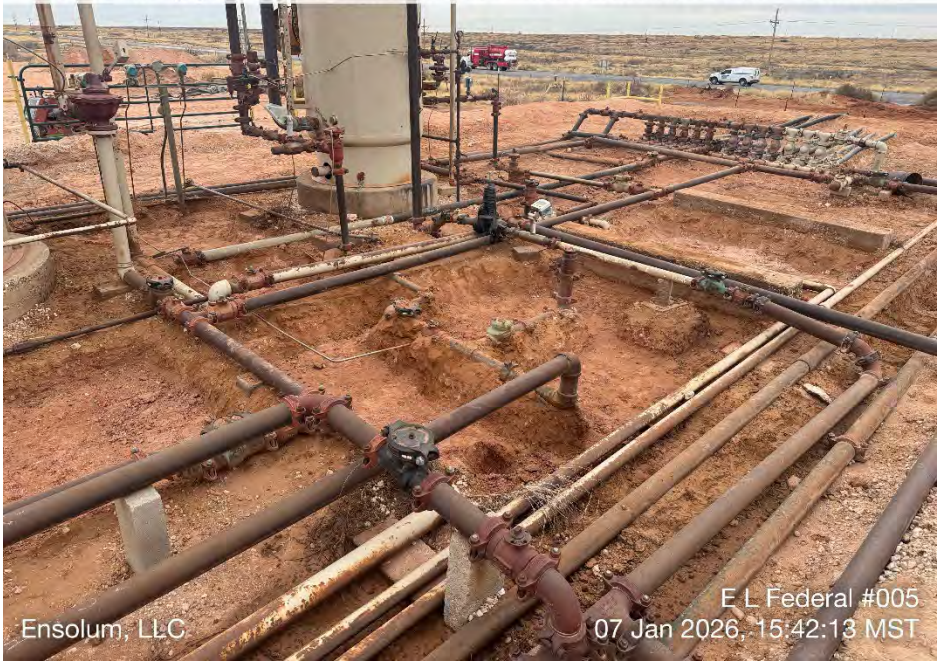


Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility



nAPP2514741238

<p><u>Photograph</u> 13</p>	<p><u>Date</u> 01/07/2026</p>	<p>☉ 161°S (T) LAT: 32.819127 LON: -103.969868 ±9ft ▲ 3651ft</p>  <p>Ensolum, LLC E L Federal #005 07 Jan 2026, 15:41:04 MST</p>
<p><u>Description</u> Excavation activities</p>		
<p><u>View</u> South</p>		
<p><u>Photograph</u> 14</p>	<p><u>Date</u> 01/07/2026</p>	<p>☉ 137°SE (T) LAT: 32.818926 LON: -103.969855 ±16ft ▲ 3654ft</p>  <p>Ensolum, LLC E L Federal #005 07 Jan 2026, 15:42:13 MST</p>
<p><u>Description</u> Excavation activities</p>		
<p><u>View</u> Southeast</p>		



Photographic Log

Hilcorp Energy Company
 E.L. Federal No. 5 Production Facility
 nAPP2514741238

<p><u>Photograph</u> 15</p>	<p><u>Date</u> 01/07/2026</p>	<p>☉ 61°NE (T) LAT: 32.818612 LON: -103.970222 ±9ft ▲ 3645ft</p>
<p><u>Description</u> Excavation activities</p>		
<p><u>View</u> Northeast</p>		<p>Ensolum, LLC E L Federal #005 07 Jan 2026, 15:45:37 MST</p>
<p><u>Photograph</u> 16</p>	<p><u>Date</u> 01/07/2026</p>	<p>☉ 0°N (T) LAT: 32.818889 LON: -103.969815 ±16ft ▲ 3649ft</p>
<p><u>Description</u> Excavation activities</p>		
<p><u>View</u> North</p>		<p>Ensolum, LLC E L Federal #005 07 Jan 2026, 15:43:12 MST</p>


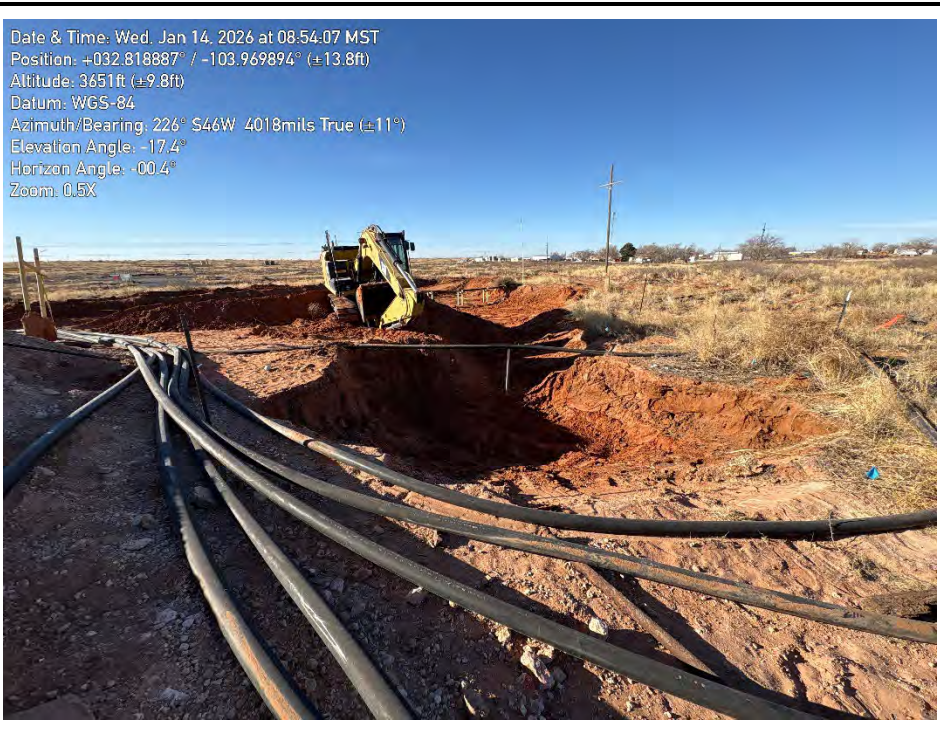


Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238



<p>Photograph 17</p>	<p>Date 01/13/2026</p>	<p>Date & Time: Tue, Jan 13, 2026 at 14:21:36 MST Position: +032.818698° / -103.970203° (±11.6ft) Altitude: 3638ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 109° S71E 1938mits True (±11°) Elevation Angle: -11.3° Horizon Angle: +03.2° Zoom: 0.5X</p> 
<p>Description Excavation activities</p>		
<p>View Southeast</p>		
<p>Photograph 18</p>	<p>Date 01/14/2026</p>	<p>Date & Time: Wed, Jan 14, 2026 at 08:54:07 MST Position: +032.818887° / -103.969894° (±13.8ft) Altitude: 3651ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 226° S46W 4018mits True (±11°) Elevation Angle: -17.4° Horizon Angle: -00.4° Zoom: 0.5X</p> 
<p>Description Excavation activities</p>		
<p>View Southwest</p>		

Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238


<p>Photograph 19</p>	<p>Date 01/16/2026</p>	<p>Date & Time: Fri, Jan 16, 2026 at 15:32:55 MST Position: +032.818901° / -103.969910° (±15.6ft) Altitude: 3650ft (±13.2ft) Datum: WGS-84 Azimuth/Bearing: 219° S39W 3893mils True (±11°) Elevation Angle: -15.6° Horizon Angle: +03.9° Zoom: 0.5X</p>
<p>Description Sampling activities; near FS26</p>		
<p>View Southwest</p>		
<p>Photograph 20</p>	<p>Date 01/19/2026</p>	<p>Date & Time: Mon, Jan 19, 2026 at 15:16:09 MST Position: +032.816442° / -103.969753° (±12.8ft) Altitude: 3660ft (±10.7ft) Datum: WGS-84 Azimuth/Bearing: 329° N31W 5849mils True (±11°) Elevation Angle: -19.4° Horizon Angle: +02.3° Zoom: 0.5X</p>
<p>Description Sampling activities; near FS02</p>		
<p>View Northwest</p>		

Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238

<p>Photograph 21</p>	<p>Date 01/21/2026</p>	<p>Date & Time: Wed, Jan 21, 2026 at 10:51:05 MST Position: +032.819067° / -103.969813° (±15.5ft) Altitude: 3658ft (±13.2ft) Datum: WGS-84 Azimuth/Bearing: 355° N05W 6311mils True (±11°) Elevation Angle: -18.7° Horizon Angle: -01.1° Zoom: 0.5X</p> 
<p>Description Sampling activities; near FS03</p>		
<p>View Northwest</p>		
<p>Photograph 22</p>	<p>Date 01/21/2026</p>	<p>Date & Time: Wed, Jan 21, 2026 at 13:26:22 MST Position: +032.818741° / -103.969851° (±15.6ft) Altitude: 3647ft (±13.2ft) Datum: WGS-84 Azimuth/Bearing: 328° N32W 5831mils True (±11°) Elevation Angle: -12.4° Horizon Angle: +00.8° Zoom: 0.5X</p> 
<p>Description Sampling activities</p>		
<p>View Northwest</p>		

Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238

<p>Photograph 23</p>	<p>Date 01/22/2026</p>	<p>Date & Time: Thu, Jan 22, 2026 at 08:03:17 MST Position: +082.818457° / -108.969685° (±21.6ft) Altitude: 3640ft (±17.4ft) Datum: WGS 84 Azimuth/Bearing: 312° N48W 5547mils True (±14°) Elevation Angle: -13.7° Horizon Angle: -01.1° Zoom: 0.5X</p>
<p>Description Sampling activities; near FS41</p>		
<p>View Northwest</p>		
<p>Photograph 24</p>	<p>Date 01/22/2026</p>	<p>Date & Time: Thu, Jan 22, 2026 at 15:21:43 MST Position: +082.818457° / -108.969716° (±10.9ft) Altitude: 3646ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 329° N31W 5849mils True (±13°) Elevation Angle: -09.3° Horizon Angle: -02.3° Zoom: 0.5X</p>
<p>Description Sampling activities, near FS02</p>		
<p>View Northwest</p>		



Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238

<p>Photograph 25</p>	<p>Date 02/04/2026</p>	<p>Date & Time: Wed, Feb 04, 2026 at 08:32:33 MST Position: +032.818737° / -103.969945° (±11.5ft) Altitude: 3643ft (±10.0ft) Datum: WGS-84 Azimuth/Bearing: 352° N08W 6258mils True (±10°) Elevation Angle: -03.0° Horizon Angle: -03.8° Zoom: 0.5X</p> 
<p>Description Sampling activities</p>		
<p>View Northwest</p>		
<p>Photograph 26</p>	<p>Date 02/04/2026</p>	<p>Date & Time: Wed, Feb 04, 2026 at 08:33:35 MST Position: +032.818592° / -103.969717° (±11.6ft) Altitude: 3643ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 233° S53W 4142mils True (±10°) Elevation Angle: -07.1° Horizon Angle: +01.4° Zoom: 0.5X</p> 
<p>Description Sampling activities; near FS37</p>		
<p>View Southwest</p>		



Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238

<p>Photograph 27</p>	<p>Date 02/04/2026</p>	<p>Date & Time: Wed, Feb 04, 2026 at 08:33:35 MST Position: +032.818592° / -103.969717° (±11.6ft) Altitude: 3643ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 233° S59W 4142mils True (±10°) Elevation Angle: -07.1° Horizon Angle: +01.4° Zoom: 0.5X</p>
<p>Description Sampling activities; near FS37</p>		
<p>View Southwest</p>		
<p>Photograph 28</p>	<p>Date 02/04/2026</p>	<p>Date & Time: Wed, Feb 04, 2026 at 15:34:25 MST Position: +032.818825° / -103.970063° (±23.9ft) Altitude: 3647ft (±18.6ft) Datum: WGS-84 Azimuth/Bearing: 164° S16E 2916mils True (±15°) Elevation Angle: -11.0° Horizon Angle: -00.4° Zoom: 0.5X</p>
<p>Description Sampling activities; near SW09</p>		
<p>View Southeast</p>		



Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238



<p>Photograph 29</p>	<p>Date 02/04/2026</p>	<p>Date & Time: Wed, Feb 04, 2026 at 12:37:38 MST Position: +032.818806° / -103.969998° (±9.4ft) Altitude: 3647ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 016° N16E 0284mils True (±14°) Elevation Angle: -06.4° Horizon Angle: +00.1° Zoom: 0.5X</p> 
<p>Description Sampling activities; near FS26</p>		
<p>View Northeast</p>		
<p>Photograph 30</p>	<p>Date 02/05/2026</p>	<p>Date & Time: Thu, Feb 05, 2026 at 10:48:34 MST Position: +032.818681° / -103.969863° (±45.9ft) Altitude: 3646ft (±19.7ft) Datum: WGS-84 Azimuth/Bearing: 250° S70W 4444mils True (±13°) Elevation Angle: -06.7° Horizon Angle: +02.2° Zoom: 0.5X</p> 
<p>Description Sampling activities</p>		
<p>View Southwest</p>		

Photographic Log

Hilcorp Energy Company

E.L. Federal No. 5 Production Facility

nAPP2514741238

<p>Photograph 31</p>	<p>Date 02/05/2026</p>	<p>Date & Time: Thu, Feb 05, 2026 at 11:22:38 MST Position: +032.818497° / -103.969649° (±14.5ft) Altitude: 3648ft (±12.5ft) Datum: WGS-84 Azimuth/Bearing: 298° N62W 5298mils True (±11°) Elevation Angle: -01.5° Horizon Angle: -00.2° Zoom: 0.5X</p>
<p>Description Sampling activities; FS42</p>		
<p>View Northwest</p>		
<p>Photograph 32</p>	<p>Date 02/05/2026</p>	<p>Date & Time: Thu, Feb 05, 2026 at 11:21:57 MST Position: +032.818551° / -103.969658° (±8.7ft) Altitude: 3648ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 248° S68W 4409mils True (±10°) Elevation Angle: -05.7° Horizon Angle: -02.0° Zoom: 0.5X</p>
<p>Description Sampling activities; near FS42</p>		
<p>View Southwest</p>		



APPENDIX C

NMOCD Correspondence

From: [Rodgers, Scott, EMNRD](#)
To: [Kalei Jennings](#)
Cc: [Kara Naegeli](#)
Subject: RE: [EXTERNAL] Hilcorp - Sampling Frequency Variance - E L Federal #005 - nAPP2514741238
Date: Tuesday, November 25, 2025 4:42:55 PM
Attachments: [image005.jpg](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.jpg](#)

You don't often get email from scott.rodgers@emnrd.nm.gov. [Learn why this is important](#)

[**EXTERNAL EMAIL**]

Your request to increase the sampling area for each five point composite sample not to exceed 400 square feet per 19.15.29.12D (1b) NMAC is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Kalei Jennings <kjennings@ensolum.com>
Sent: Tuesday, November 25, 2025 10:43 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Kara Naegeli <knaegeli@ensolum.com>

Subject: [EXTERNAL] Hilcorp - Sampling Frequency Variance - E L Federal #005 - nAPP2514741238

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

Good morning,

Please see the attached Site Receptor Map and supporting documentation for your review for a requested soil sampling frequency variance at the E L Federal #005 (Site), Incident Number nAPP2514741238.

On May 25, 2025, a produced water release occurred, resulting in a 19,309 square-foot release extent across facility caliche surface and surrounding pastureland. The Site was characterized, and no sensitive receptors were identified. Recently, in November 2025, a soil boring was drilled approximately 0.09 miles to the northwest of the Site to a depth of 110' bgs. A field geologist logged and described soils continuously. No groundwater was encountered after a 72-hour waiting period, and the soil boring was subsequently backfilled with drill cuttings and hydrated bentonite chips. The borehole lithologic/soil sampling log is attached. The soil boring confirms depth to groundwater in the region is greater than 100 feet bgs.

Due to the estimated size of the release area, a documented lack of sensitive receptors, and depth to groundwater determined to be greater than 100 feet bgs, Hilcorp requests a variance of the sampling frequency for confirmation soil samples. Hilcorp proposes five-point composite samples to be collected at a sampling frequency of 400 square feet along the excavation floor and sidewalls. The proposed sampling frequency would reduce the total amount of samples from approximately 105 samples (200 square feet) to approximately 56 samples. All confirmation soil samples will be submitted for laboratory analysis of BTEX, TPH, and chloride.

We believe the sampling variance poses no additional risk to fresh water, public health, and the environment.

With the data provided will you please consider approval of a variance of the sampling frequency from the required 200 square feet to 400 square feet?

Please let me know if you have any additional questions.

Thank you,



Kalei Jennings

Senior Managing Scientist

817-683-2503

[Ensolum, LLC](#)



Kalei Jennings

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Monday, August 25, 2025 3:54 PM
To: Kalei Jennings
Subject: RE: [EXTERNAL] NAPP2514741238 - E.L. FEDERAL NO. 5 PRODUCTION FACILITY (API # 30-015-30259)- Extension Request

You don't often get email from scott.rodgers@emnrd.nm.gov. [Learn why this is important](#)

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to November 24, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, August 25, 2025 1:55 PM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] NAPP2514741238 - E.L. FEDERAL NO. 5 PRODUCTION FACILITY (API #30-015-30259)- Extension Request

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Monday, August 25, 2025 1:50 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] NAPP2514741238 - E.L. FEDERAL NO. 5 PRODUCTION FACILITY (API #30-015-30259)- Extension Request

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

To Whom it May Concern,

On behalf of Hilcorp Energy Company, we respectfully submit this correspondence to provide an update on remediation activities and to formally request a 90-day extension for the E.L. Federal No. 5 Production Facility, located in Eddy County, New Mexico (32.81912, -103.96976). Initial site assessment commenced on May 30, 2025, with multiple efforts undertaken to delineate the extent of the release. Due to the presence of a competent formation, additional remediation will require the use of heavy equipment. Furthermore, as a portion of the release extends beyond the well pad onto Bureau of Land Management (BLM) property, off-pad access authorization is necessary prior to mobilizing equipment. A sundry notice was submitted to the BLM on June 30, 2025. In response, the BLM requested an archaeological survey on July 2, 2025. Following several discussions involving historical imagery review and resolution of related concerns, the BLM determined on July 30, 2025, that a new survey would be required. The archaeological survey was formally requested on that same day, and the findings were received on August 19, 2025.

In addition, Hilcorp intends to drill a depth-to-water boring to confirm the closure criteria at the site. To allow sufficient time to complete the boring, finalize excavation activities, and prepare and submit the associated report, we respectfully request a 90-day extension, extending the deadline from August 25, 2025, to November 24, 2025.

If you have any questions or concerns, please feel free to contact me or Billy Ginn at william.ginn@hilcorp.com or (832) 561-4185.

Thank you,



Kalei Jennings
Senior Managing Scientist
817-683-2503
[Ensolum, LLC](https://www.ensolum.com)
in f X



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701

Generated 6/4/2025 2:09:07 PM

JOB DESCRIPTION

E L FEDERAL #005
 07A1988214

JOB NUMBER

890-8259-1

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
6/4/2025 2:09:07 PM

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

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

Client: Ensolum
Project/Site: E L FEDERAL #005

Laboratory Job ID: 890-8259-1
SDG: 07A1988214

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	17
QC Sample Results	18
QC Association Summary	22
Lab Chronicle	26
Certification Summary	30
Method Summary	31
Sample Summary	32
Chain of Custody	33
Receipt Checklists	35

Definitions/Glossary

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project: E L FEDERAL #005

Job ID: 890-8259-1

Job ID: 890-8259-1

Eurofins Carlsbad

Job Narrative 890-8259-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/2/2025 9:09 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS13 (890-8259-1), SS12 (890-8259-2), SS11 (890-8259-3), SS10 (890-8259-4), SS09 (890-8259-5), SS08 (890-8259-6), SS07 (890-8259-7), SS06 (890-8259-8), SS05 (890-8259-9), SS04 (890-8259-10), SS03 (890-8259-11), SS02 (890-8259-12) and SS01 (890-8259-13).

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 880-111354 and analytical batch 880-111420 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

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111364 and analytical batch 880-111367 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.

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS13

Lab Sample ID: 890-8259-1

Date Collected: 05/30/25 12:36

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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		06/03/25 10:03	06/03/25 13:55	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 13:55	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 13:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/03/25 10:03	06/03/25 13:55	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 13:55	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/03/25 10:03	06/03/25 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/03/25 10:03	06/03/25 13:55	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/03/25 10:03	06/03/25 13:55	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			06/03/25 13:55	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			06/03/25 16:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	49.8	mg/Kg		06/03/25 07:52	06/03/25 16:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/03/25 07:52	06/03/25 16:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/03/25 07:52	06/03/25 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/03/25 07:52	06/03/25 16:59	1
o-Terphenyl	85		70 - 130	06/03/25 07:52	06/03/25 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		10.1	mg/Kg			06/03/25 11:59	1

Client Sample ID: SS12

Lab Sample ID: 890-8259-2

Date Collected: 05/30/25 12:34

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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		06/03/25 10:03	06/03/25 14:16	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/03/25 10:03	06/03/25 14:16	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/03/25 10:03	06/03/25 14:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/03/25 10:03	06/03/25 14:16	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/03/25 10:03	06/03/25 14:16	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/03/25 10:03	06/03/25 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/03/25 10:03	06/03/25 14:16	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS12

Lab Sample ID: 890-8259-2

Date Collected: 05/30/25 12:34

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	06/03/25 10:03	06/03/25 14:16	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			06/03/25 14:16	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			06/03/25 17:47	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		06/03/25 07:52	06/03/25 17:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/03/25 07:52	06/03/25 17:47	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/03/25 07:52	06/03/25 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	06/03/25 07:52	06/03/25 17:47	1
o-Terphenyl	84		70 - 130	06/03/25 07:52	06/03/25 17:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.5		9.96	mg/Kg			06/03/25 12:21	1

Client Sample ID: SS11

Lab Sample ID: 890-8259-3

Date Collected: 05/30/25 12:28

Matrix: Solid

Date Received: 06/02/25 09:09

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		06/03/25 10:03	06/03/25 14:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 14:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 14:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/03/25 10:03	06/03/25 14:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 14:36	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/03/25 10:03	06/03/25 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/03/25 10:03	06/03/25 14:36	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/03/25 10:03	06/03/25 14:36	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			06/03/25 14:36	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			06/03/25 18:03	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS11

Lab Sample ID: 890-8259-3

Date Collected: 05/30/25 12:28

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/03/25 07:52	06/03/25 18:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/03/25 07:52	06/03/25 18:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/03/25 07:52	06/03/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			06/03/25 07:52	06/03/25 18:03	1
o-Terphenyl	91		70 - 130			06/03/25 07:52	06/03/25 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	332		9.92	mg/Kg			06/03/25 12:29	1

Client Sample ID: SS10

Lab Sample ID: 890-8259-4

Date Collected: 05/30/25 14:18

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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		06/03/25 10:03	06/03/25 15:59	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 15:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 15:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/03/25 10:03	06/03/25 15:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 15:59	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/03/25 10:03	06/03/25 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			06/03/25 10:03	06/03/25 15:59	1
1,4-Difluorobenzene (Surr)	100		70 - 130			06/03/25 10:03	06/03/25 15:59	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			06/03/25 15:59	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			06/03/25 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	<49.9	U	49.9	mg/Kg		06/03/25 07:52	06/03/25 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/03/25 07:52	06/03/25 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/03/25 07:52	06/03/25 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			06/03/25 07:52	06/03/25 18:19	1
o-Terphenyl	88		70 - 130			06/03/25 07:52	06/03/25 18:19	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS10

Lab Sample ID: 890-8259-4

Date Collected: 05/30/25 14:18

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		10.1	mg/Kg			06/03/25 12:36	1

Client Sample ID: SS09

Lab Sample ID: 890-8259-5

Date Collected: 05/30/25 12:39

Matrix: Solid

Date Received: 06/02/25 09:09

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		06/03/25 10:03	06/03/25 16:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 16:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 16:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/03/25 10:03	06/03/25 16:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 16:19	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/03/25 10:03	06/03/25 16:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			06/03/25 10:03	06/03/25 16:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130			06/03/25 10:03	06/03/25 16:19	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			06/03/25 16:19	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			06/03/25 18:35	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	<49.7	U	49.7	mg/Kg		06/03/25 07:52	06/03/25 18:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/03/25 07:52	06/03/25 18:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/03/25 07:52	06/03/25 18:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			06/03/25 07:52	06/03/25 18:35	1
o-Terphenyl	85		70 - 130			06/03/25 07:52	06/03/25 18:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.4		9.94	mg/Kg			06/03/25 12:43	1

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS08

Lab Sample ID: 890-8259-6

Date Collected: 05/30/25 12:41

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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		06/03/25 10:03	06/03/25 16:40	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 16:40	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 16:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/03/25 10:03	06/03/25 16:40	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 16:40	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/03/25 10:03	06/03/25 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/03/25 10:03	06/03/25 16:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/03/25 10:03	06/03/25 16:40	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			06/03/25 16:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/03/25 18:51	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		06/03/25 07:52	06/03/25 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/03/25 07:52	06/03/25 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/03/25 07:52	06/03/25 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	06/03/25 07:52	06/03/25 18:51	1
o-Terphenyl	82		70 - 130	06/03/25 07:52	06/03/25 18:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		10.0	mg/Kg			06/03/25 12:51	1

Client Sample ID: SS07

Lab Sample ID: 890-8259-7

Date Collected: 05/30/25 12:43

Matrix: Solid

Date Received: 06/02/25 09:09

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		06/03/25 10:03	06/03/25 17:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 17:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 17:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 17:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 17:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/03/25 10:03	06/03/25 17:00	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS07

Lab Sample ID: 890-8259-7

Date Collected: 05/30/25 12:43

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	06/03/25 10:03	06/03/25 17:00	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			06/03/25 17:00	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			06/03/25 19:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		06/03/25 07:52	06/03/25 19:07	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/03/25 07:52	06/03/25 19:07	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/03/25 07:52	06/03/25 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	06/03/25 07:52	06/03/25 19:07	1
o-Terphenyl	83		70 - 130	06/03/25 07:52	06/03/25 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.6	F1	10.1	mg/Kg			06/03/25 12:58	1

Client Sample ID: SS06

Lab Sample ID: 890-8259-8

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 06/02/25 09:09

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		06/03/25 10:03	06/03/25 17:21	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 17:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 17:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 17:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 17:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/03/25 10:03	06/03/25 17:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/03/25 10:03	06/03/25 17:21	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			06/03/25 17:21	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			06/03/25 19:23	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS06

Lab Sample ID: 890-8259-8

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		06/03/25 07:52	06/03/25 19:23	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		06/03/25 07:52	06/03/25 19:23	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		06/03/25 07:52	06/03/25 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	06/03/25 07:52	06/03/25 19:23	1
o-Terphenyl	80		70 - 130	06/03/25 07:52	06/03/25 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		10.1	mg/Kg			06/03/25 13:20	1

Client Sample ID: SS05

Lab Sample ID: 890-8259-9

Date Collected: 05/30/25 13:35

Matrix: Solid

Date Received: 06/02/25 09:09

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		06/03/25 10:03	06/03/25 17:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 17:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 17:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/03/25 10:03	06/03/25 17:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/03/25 10:03	06/03/25 17:41	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/03/25 10:03	06/03/25 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/03/25 10:03	06/03/25 17:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/03/25 10:03	06/03/25 17:41	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			06/03/25 17:41	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			06/03/25 19:39	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		06/03/25 07:52	06/03/25 19:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/03/25 07:52	06/03/25 19:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/03/25 07:52	06/03/25 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/03/25 07:52	06/03/25 19:39	1
o-Terphenyl	88		70 - 130	06/03/25 07:52	06/03/25 19:39	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS05

Lab Sample ID: 890-8259-9

Date Collected: 05/30/25 13:35

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8830		101	mg/Kg			06/03/25 13:28	10

Client Sample ID: SS04

Lab Sample ID: 890-8259-10

Date Collected: 05/30/25 13:40

Matrix: Solid

Date Received: 06/02/25 09:09

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		06/03/25 10:03	06/03/25 18:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 18:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 18:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 18:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 18:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/03/25 10:03	06/03/25 18:02	1
1,4-Difluorobenzene (Surr)	96		70 - 130			06/03/25 10:03	06/03/25 18:02	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			06/03/25 18:02	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			06/03/25 19:55	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		06/03/25 07:52	06/03/25 19:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/03/25 07:52	06/03/25 19:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/03/25 07:52	06/03/25 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			06/03/25 07:52	06/03/25 19:55	1
o-Terphenyl	84		70 - 130			06/03/25 07:52	06/03/25 19:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7070		99.2	mg/Kg			06/03/25 13:50	10

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS03

Lab Sample ID: 890-8259-11

Date Collected: 05/30/25 13:38

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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		06/03/25 10:03	06/03/25 18:22	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 18:22	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 18:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/03/25 10:03	06/03/25 18:22	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/03/25 10:03	06/03/25 18:22	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/03/25 10:03	06/03/25 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/03/25 10:03	06/03/25 18:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/03/25 10:03	06/03/25 18:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/03/25 18:22	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			06/03/25 20:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		06/03/25 07:52	06/03/25 20:27	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/03/25 07:52	06/03/25 20:27	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/03/25 07:52	06/03/25 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	06/03/25 07:52	06/03/25 20:27	1
o-Terphenyl	85		70 - 130	06/03/25 07:52	06/03/25 20:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8450		100	mg/Kg			06/03/25 13:57	10

Client Sample ID: SS02

Lab Sample ID: 890-8259-12

Date Collected: 05/30/25 13:42

Matrix: Solid

Date Received: 06/02/25 09:09

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		06/03/25 10:03	06/03/25 18:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 18:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 18:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 18:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 18:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/03/25 10:03	06/03/25 18:42	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS02

Lab Sample ID: 890-8259-12

Date Collected: 05/30/25 13:42

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	06/03/25 10:03	06/03/25 18:42	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			06/03/25 18:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			06/03/25 20:43	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		06/03/25 07:52	06/03/25 20:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/03/25 07:52	06/03/25 20:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/03/25 07:52	06/03/25 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/03/25 07:52	06/03/25 20:43	1
o-Terphenyl	86		70 - 130	06/03/25 07:52	06/03/25 20:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10700		99.4	mg/Kg			06/03/25 14:04	10

Client Sample ID: SS01

Lab Sample ID: 890-8259-13

Date Collected: 05/30/25 14:04

Matrix: Solid

Date Received: 06/02/25 09:09

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		06/03/25 10:03	06/03/25 19:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 19:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 19:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 19:03	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/03/25 10:03	06/03/25 19:03	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/03/25 10:03	06/03/25 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/03/25 10:03	06/03/25 19:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/03/25 10:03	06/03/25 19:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/03/25 19:03	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			06/03/25 20:59	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
 Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
 SDG: 07A1988214

Client Sample ID: SS01

Lab Sample ID: 890-8259-13

Date Collected: 05/30/25 14:04

Matrix: Solid

Date Received: 06/02/25 09:09

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		06/03/25 07:52	06/03/25 20:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		06/03/25 07:52	06/03/25 20:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		06/03/25 07:52	06/03/25 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/03/25 07:52	06/03/25 20:59	1
o-Terphenyl	90		70 - 130	06/03/25 07:52	06/03/25 20:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17000		200	mg/Kg			06/03/25 14:12	20

Surrogate Summary

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-58802-A-61-B MS	Matrix Spike	93	90
880-58802-A-61-C MSD	Matrix Spike Duplicate	100	96
890-8259-1	SS13	103	97
890-8259-2	SS12	100	101
890-8259-3	SS11	99	99
890-8259-4	SS10	101	100
890-8259-5	SS09	97	99
890-8259-6	SS08	99	100
890-8259-7	SS07	100	100
890-8259-8	SS06	99	101
890-8259-9	SS05	102	101
890-8259-10	SS04	102	96
890-8259-11	SS03	100	100
890-8259-12	SS02	102	100
890-8259-13	SS01	104	102
LCS 880-111298/1-A	Lab Control Sample	95	90
LCSD 880-111298/2-A	Lab Control Sample Dup	96	85
MB 880-111298/5-A	Method Blank	94	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8259-1	SS13	87	85
890-8259-1 MS	SS13	80	84
890-8259-1 MSD	SS13	81	85
890-8259-2	SS12	86	84
890-8259-3	SS11	90	91
890-8259-4	SS10	89	88
890-8259-5	SS09	87	85
890-8259-6	SS08	85	82
890-8259-7	SS07	85	83
890-8259-8	SS06	83	80
890-8259-9	SS05	88	88
890-8259-10	SS04	86	84
890-8259-11	SS03	86	85
890-8259-12	SS02	87	86
890-8259-13	SS01	89	90
LCS 880-111354/2-A	Lab Control Sample	84	90
LCSD 880-111354/3-A	Lab Control Sample Dup	87	92
MB 880-111354/1-A	Method Blank	73	75

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111298/5-A
Matrix: Solid
Analysis Batch: 111355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111298

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/02/25 10:03	06/03/25 11:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/02/25 10:03	06/03/25 11:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/02/25 10:03	06/03/25 11:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/02/25 10:03	06/03/25 11:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/02/25 10:03	06/03/25 11:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/02/25 10:03	06/03/25 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/02/25 10:03	06/03/25 11:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/02/25 10:03	06/03/25 11:11	1

Lab Sample ID: LCS 880-111298/1-A
Matrix: Solid
Analysis Batch: 111355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1098		mg/Kg		110	70 - 130
Toluene	0.100	0.1007		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2155		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-111298/2-A
Matrix: Solid
Analysis Batch: 111355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111298

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1118		mg/Kg		112	70 - 130	2	35
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	4	35
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2196		mg/Kg		110	70 - 130	2	35
o-Xylene	0.100	0.1096		mg/Kg		110	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-58802-A-61-B MS
Matrix: Solid
Analysis Batch: 111355

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08600		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.07440		mg/Kg		74	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

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

Lab Sample ID: 880-58802-A-61-B MS
Matrix: Solid
Analysis Batch: 111355

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07625		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1484		mg/Kg		74	70 - 130
o-Xylene	<0.00200	U	0.100	0.07554		mg/Kg		76	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-58802-A-61-C MSD
Matrix: Solid
Analysis Batch: 111355

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 111298

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	0.08584		mg/Kg		86	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.07345		mg/Kg		73	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.07497		mg/Kg		75	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1478		mg/Kg		74	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.07578		mg/Kg		76	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-111354/1-A
Matrix: Solid
Analysis Batch: 111420

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111354

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		06/03/25 07:52	06/03/25 06:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/03/25 07:52	06/03/25 06:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/03/25 07:52	06/03/25 06:20	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	06/03/25 07:52	06/03/25 06:20	1
o-Terphenyl	75		70 - 130	06/03/25 07:52	06/03/25 06:20	1

Lab Sample ID: LCS 880-111354/2-A
Matrix: Solid
Analysis Batch: 111420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	776.3		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	866.8		mg/Kg		87	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

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

Lab Sample ID: LCS 880-111354/2-A
Matrix: Solid
Analysis Batch: 111420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111354

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	84		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-111354/3-A
Matrix: Solid
Analysis Batch: 111420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111354

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	810.6		mg/Kg		81	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	882.4		mg/Kg		88	70 - 130	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	87		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-8259-1 MS
Matrix: Solid
Analysis Batch: 111420

Client Sample ID: SS13
Prep Type: Total/NA
Prep Batch: 111354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	999	725.8		mg/Kg		73	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	999	853.1		mg/Kg		85	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	80		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-8259-1 MSD
Matrix: Solid
Analysis Batch: 111420

Client Sample ID: SS13
Prep Type: Total/NA
Prep Batch: 111354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	999	693.8	F1	mg/Kg		69	70 - 130	5
Diesel Range Organics (Over C10-C28)	<49.8	U	999	825.7		mg/Kg		83	70 - 130	3

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	81		70 - 130
o-Terphenyl	85		70 - 130

QC Sample Results

Client: Ensolum
 Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
 SDG: 07A1988214

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111364/1-A
 Matrix: Solid
 Analysis Batch: 111367

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			06/03/25 10:54	1

Lab Sample ID: LCS 880-111364/2-A
 Matrix: Solid
 Analysis Batch: 111367

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.0		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-111364/3-A
 Matrix: Solid
 Analysis Batch: 111367

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	261.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-8259-7 MS
 Matrix: Solid
 Analysis Batch: 111367

Client Sample ID: SS07
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	86.6	F1	252	374.2	F1	mg/Kg		114	90 - 110

Lab Sample ID: 890-8259-7 MSD
 Matrix: Solid
 Analysis Batch: 111367

Client Sample ID: SS07
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	86.6	F1	252	376.4	F1	mg/Kg		115	90 - 110	1	20

QC Association Summary

Client: Ensolum
 Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
 SDG: 07A1988214

GC VOA

Prep Batch: 111298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-1	SS13	Total/NA	Solid	5035	
890-8259-2	SS12	Total/NA	Solid	5035	
890-8259-3	SS11	Total/NA	Solid	5035	
890-8259-4	SS10	Total/NA	Solid	5035	
890-8259-5	SS09	Total/NA	Solid	5035	
890-8259-6	SS08	Total/NA	Solid	5035	
890-8259-7	SS07	Total/NA	Solid	5035	
890-8259-8	SS06	Total/NA	Solid	5035	
890-8259-9	SS05	Total/NA	Solid	5035	
890-8259-10	SS04	Total/NA	Solid	5035	
890-8259-11	SS03	Total/NA	Solid	5035	
890-8259-12	SS02	Total/NA	Solid	5035	
890-8259-13	SS01	Total/NA	Solid	5035	
MB 880-111298/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111298/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111298/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58802-A-61-B MS	Matrix Spike	Total/NA	Solid	5035	
880-58802-A-61-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 111355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-1	SS13	Total/NA	Solid	8021B	111298
890-8259-2	SS12	Total/NA	Solid	8021B	111298
890-8259-3	SS11	Total/NA	Solid	8021B	111298
890-8259-4	SS10	Total/NA	Solid	8021B	111298
890-8259-5	SS09	Total/NA	Solid	8021B	111298
890-8259-6	SS08	Total/NA	Solid	8021B	111298
890-8259-7	SS07	Total/NA	Solid	8021B	111298
890-8259-8	SS06	Total/NA	Solid	8021B	111298
890-8259-9	SS05	Total/NA	Solid	8021B	111298
890-8259-10	SS04	Total/NA	Solid	8021B	111298
890-8259-11	SS03	Total/NA	Solid	8021B	111298
890-8259-12	SS02	Total/NA	Solid	8021B	111298
890-8259-13	SS01	Total/NA	Solid	8021B	111298
MB 880-111298/5-A	Method Blank	Total/NA	Solid	8021B	111298
LCS 880-111298/1-A	Lab Control Sample	Total/NA	Solid	8021B	111298
LCSD 880-111298/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111298
880-58802-A-61-B MS	Matrix Spike	Total/NA	Solid	8021B	111298
880-58802-A-61-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	111298

Analysis Batch: 111475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-1	SS13	Total/NA	Solid	Total BTEX	
890-8259-2	SS12	Total/NA	Solid	Total BTEX	
890-8259-3	SS11	Total/NA	Solid	Total BTEX	
890-8259-4	SS10	Total/NA	Solid	Total BTEX	
890-8259-5	SS09	Total/NA	Solid	Total BTEX	
890-8259-6	SS08	Total/NA	Solid	Total BTEX	
890-8259-7	SS07	Total/NA	Solid	Total BTEX	
890-8259-8	SS06	Total/NA	Solid	Total BTEX	
890-8259-9	SS05	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

GC VOA (Continued)

Analysis Batch: 111475 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-10	SS04	Total/NA	Solid	Total BTEX	
890-8259-11	SS03	Total/NA	Solid	Total BTEX	
890-8259-12	SS02	Total/NA	Solid	Total BTEX	
890-8259-13	SS01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-1	SS13	Total/NA	Solid	8015NM Prep	
890-8259-2	SS12	Total/NA	Solid	8015NM Prep	
890-8259-3	SS11	Total/NA	Solid	8015NM Prep	
890-8259-4	SS10	Total/NA	Solid	8015NM Prep	
890-8259-5	SS09	Total/NA	Solid	8015NM Prep	
890-8259-6	SS08	Total/NA	Solid	8015NM Prep	
890-8259-7	SS07	Total/NA	Solid	8015NM Prep	
890-8259-8	SS06	Total/NA	Solid	8015NM Prep	
890-8259-9	SS05	Total/NA	Solid	8015NM Prep	
890-8259-10	SS04	Total/NA	Solid	8015NM Prep	
890-8259-11	SS03	Total/NA	Solid	8015NM Prep	
890-8259-12	SS02	Total/NA	Solid	8015NM Prep	
890-8259-13	SS01	Total/NA	Solid	8015NM Prep	
MB 880-111354/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111354/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8259-1 MS	SS13	Total/NA	Solid	8015NM Prep	
890-8259-1 MSD	SS13	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-1	SS13	Total/NA	Solid	8015B NM	111354
890-8259-2	SS12	Total/NA	Solid	8015B NM	111354
890-8259-3	SS11	Total/NA	Solid	8015B NM	111354
890-8259-4	SS10	Total/NA	Solid	8015B NM	111354
890-8259-5	SS09	Total/NA	Solid	8015B NM	111354
890-8259-6	SS08	Total/NA	Solid	8015B NM	111354
890-8259-7	SS07	Total/NA	Solid	8015B NM	111354
890-8259-8	SS06	Total/NA	Solid	8015B NM	111354
890-8259-9	SS05	Total/NA	Solid	8015B NM	111354
890-8259-10	SS04	Total/NA	Solid	8015B NM	111354
890-8259-11	SS03	Total/NA	Solid	8015B NM	111354
890-8259-12	SS02	Total/NA	Solid	8015B NM	111354
890-8259-13	SS01	Total/NA	Solid	8015B NM	111354
MB 880-111354/1-A	Method Blank	Total/NA	Solid	8015B NM	111354
LCS 880-111354/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111354
LCSD 880-111354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111354
890-8259-1 MS	SS13	Total/NA	Solid	8015B NM	111354
890-8259-1 MSD	SS13	Total/NA	Solid	8015B NM	111354

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
 Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
 SDG: 07A1988214

GC Semi VOA

Analysis Batch: 111532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-1	SS13	Total/NA	Solid	8015 NM	
890-8259-2	SS12	Total/NA	Solid	8015 NM	
890-8259-3	SS11	Total/NA	Solid	8015 NM	
890-8259-4	SS10	Total/NA	Solid	8015 NM	
890-8259-5	SS09	Total/NA	Solid	8015 NM	
890-8259-6	SS08	Total/NA	Solid	8015 NM	
890-8259-7	SS07	Total/NA	Solid	8015 NM	
890-8259-8	SS06	Total/NA	Solid	8015 NM	
890-8259-9	SS05	Total/NA	Solid	8015 NM	
890-8259-10	SS04	Total/NA	Solid	8015 NM	
890-8259-11	SS03	Total/NA	Solid	8015 NM	
890-8259-12	SS02	Total/NA	Solid	8015 NM	
890-8259-13	SS01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-1	SS13	Soluble	Solid	DI Leach	
890-8259-2	SS12	Soluble	Solid	DI Leach	
890-8259-3	SS11	Soluble	Solid	DI Leach	
890-8259-4	SS10	Soluble	Solid	DI Leach	
890-8259-5	SS09	Soluble	Solid	DI Leach	
890-8259-6	SS08	Soluble	Solid	DI Leach	
890-8259-7	SS07	Soluble	Solid	DI Leach	
890-8259-8	SS06	Soluble	Solid	DI Leach	
890-8259-9	SS05	Soluble	Solid	DI Leach	
890-8259-10	SS04	Soluble	Solid	DI Leach	
890-8259-11	SS03	Soluble	Solid	DI Leach	
890-8259-12	SS02	Soluble	Solid	DI Leach	
890-8259-13	SS01	Soluble	Solid	DI Leach	
MB 880-111364/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111364/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-111364/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8259-7 MS	SS07	Soluble	Solid	DI Leach	
890-8259-7 MSD	SS07	Soluble	Solid	DI Leach	

Analysis Batch: 111367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-1	SS13	Soluble	Solid	300.0	111364
890-8259-2	SS12	Soluble	Solid	300.0	111364
890-8259-3	SS11	Soluble	Solid	300.0	111364
890-8259-4	SS10	Soluble	Solid	300.0	111364
890-8259-5	SS09	Soluble	Solid	300.0	111364
890-8259-6	SS08	Soluble	Solid	300.0	111364
890-8259-7	SS07	Soluble	Solid	300.0	111364
890-8259-8	SS06	Soluble	Solid	300.0	111364
890-8259-9	SS05	Soluble	Solid	300.0	111364
890-8259-10	SS04	Soluble	Solid	300.0	111364
890-8259-11	SS03	Soluble	Solid	300.0	111364
890-8259-12	SS02	Soluble	Solid	300.0	111364

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

HPLC/IC (Continued)

Analysis Batch: 111367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8259-13	SS01	Soluble	Solid	300.0	111364
MB 880-111364/1-A	Method Blank	Soluble	Solid	300.0	111364
LCS 880-111364/2-A	Lab Control Sample	Soluble	Solid	300.0	111364
LCSD 880-111364/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111364
890-8259-7 MS	SS07	Soluble	Solid	300.0	111364
890-8259-7 MSD	SS07	Soluble	Solid	300.0	111364

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

Lab Chronicle

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS13

Lab Sample ID: 890-8259-1

Date Collected: 05/30/25 12:36

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 13:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 16:59	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		1			111367	06/03/25 11:59	CH	EET MID

Client Sample ID: SS12

Lab Sample ID: 890-8259-2

Date Collected: 05/30/25 12:34

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 14:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 17:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 17:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		1			111367	06/03/25 12:21	CH	EET MID

Client Sample ID: SS11

Lab Sample ID: 890-8259-3

Date Collected: 05/30/25 12:28

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 14:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 18:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 18:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		1			111367	06/03/25 12:29	CH	EET MID

Client Sample ID: SS10

Lab Sample ID: 890-8259-4

Date Collected: 05/30/25 14:18

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 15:59	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS10

Lab Sample ID: 890-8259-4

Date Collected: 05/30/25 14:18

Matrix: Solid

Date Received: 06/02/25 09:09

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			111532	06/03/25 18:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 18:19	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		1			111367	06/03/25 12:36	CH	EET MID

Client Sample ID: SS09

Lab Sample ID: 890-8259-5

Date Collected: 05/30/25 12:39

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 16:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 18:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 18:35	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		1			111367	06/03/25 12:43	CH	EET MID

Client Sample ID: SS08

Lab Sample ID: 890-8259-6

Date Collected: 05/30/25 12:41

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 16:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 18:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 18:51	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		1			111367	06/03/25 12:51	CH	EET MID

Client Sample ID: SS07

Lab Sample ID: 890-8259-7

Date Collected: 05/30/25 12:43

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 17:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 19:07	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 19:07	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Client Sample ID: SS07

Lab Sample ID: 890-8259-7

Date Collected: 05/30/25 12:43

Matrix: Solid

Date Received: 06/02/25 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		1			111367	06/03/25 12:58	CH	EET MID

Client Sample ID: SS06

Lab Sample ID: 890-8259-8

Date Collected: 05/30/25 12:45

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 17:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 17:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 19:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 19:23	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		1			111367	06/03/25 13:20	CH	EET MID

Client Sample ID: SS05

Lab Sample ID: 890-8259-9

Date Collected: 05/30/25 13:35

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 17:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 19:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 19:39	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		10			111367	06/03/25 13:28	CH	EET MID

Client Sample ID: SS04

Lab Sample ID: 890-8259-10

Date Collected: 05/30/25 13:40

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 18:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 19:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 19:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		10			111367	06/03/25 13:50	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
 Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
 SDG: 07A1988214

Client Sample ID: SS03

Lab Sample ID: 890-8259-11

Date Collected: 05/30/25 13:38

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 18:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 20:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 20:27	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		10			111367	06/03/25 13:57	CH	EET MID

Client Sample ID: SS02

Lab Sample ID: 890-8259-12

Date Collected: 05/30/25 13:42

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 20:43	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		10			111367	06/03/25 14:04	CH	EET MID

Client Sample ID: SS01

Lab Sample ID: 890-8259-13

Date Collected: 05/30/25 14:04

Matrix: Solid

Date Received: 06/02/25 09:09

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	111298	06/03/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111355	06/03/25 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111475	06/03/25 19:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			111532	06/03/25 20:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	111354	06/03/25 07:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/03/25 20:59	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111364	06/03/25 08:51	SA	EET MID
Soluble	Analysis	300.0		20			111367	06/03/25 14:12	CH	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: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

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	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Ensolum
 Project/Site: E L FEDERAL #005

Job ID: 890-8259-1
 SDG: 07A1988214

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: E L FEDERAL #005

Job ID: 890-8259-1
SDG: 07A1988214

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8259-1	SS13	Solid	05/30/25 12:36	06/02/25 09:09	0.5
890-8259-2	SS12	Solid	05/30/25 12:34	06/02/25 09:09	0.5
890-8259-3	SS11	Solid	05/30/25 12:28	06/02/25 09:09	0.5
890-8259-4	SS10	Solid	05/30/25 14:18	06/02/25 09:09	0.5
890-8259-5	SS09	Solid	05/30/25 12:39	06/02/25 09:09	0.5
890-8259-6	SS08	Solid	05/30/25 12:41	06/02/25 09:09	0.5
890-8259-7	SS07	Solid	05/30/25 12:43	06/02/25 09:09	0.5
890-8259-8	SS06	Solid	05/30/25 12:45	06/02/25 09:09	0.5
890-8259-9	SS05	Solid	05/30/25 13:35	06/02/25 09:09	0.5
890-8259-10	SS04	Solid	05/30/25 13:40	06/02/25 09:09	0.5
890-8259-11	SS03	Solid	05/30/25 13:38	06/02/25 09:09	0.5
890-8259-12	SS02	Solid	05/30/25 13:42	06/02/25 09:09	0.5
890-8259-13	SS01	Solid	05/30/25 14:04	06/02/25 09:09	0.5

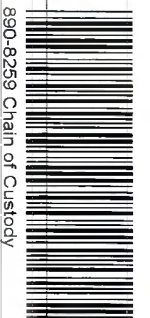
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1295
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody



890-8259 Chain of Custody

www.xenco.com Page 01

Project Manager:	Devin Henemann	Bill to: (if different)	Billy Ginn
Company Name:	Ensolum, LLC	Company Name:	Hilcorp
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	805-798-2608	Email:	dhenemann@ensolum.com, kiennings@ensolum.com

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund 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 <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADaPt <input type="checkbox"/> Other:	Work Order Comments
--	---------------------

Project Name:	E L Federal #005	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	07A1988214	Due Date:	4-Day		
Project Location:	32.8192032, -103.9698116	Sampler's Name:	Alex Ferrell		
PO #:		Temp Blank:	Yes No	Wellce:	Yes No
SAMPLE RECEIPT		Samples Received Intact:	Yes No	Thermometer ID:	
		Cooler Custody Seals:	Yes No	Correction Factor:	
		Sample Custody Seals:	Yes No	Temperature Reading:	
Total Containers:		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Chloride 300	TPH 8015	BTEX 8021	Preservative Codes	Sample Comments
SS13	Soil	5/30/2025	1236	0.5'	Grab	1	X	X	X	None: NO DI Water: H ₂ O	
SS12	Soil	5/30/2025	1234	0.5'	Grab	1	X	X	X	Cool: Cool MeOH: Me	
SS11	Soil	5/30/2025	1228	0.5'	Grab	1	X	X	X	RCL: HC HNO ₃ : HN	
SS10	Soil	5/30/2025	1418	0.5'	Grab	1	X	X	X	H ₂ SO ₄ : H ₂ NaOH: Na	
SS09	Soil	5/30/2025	1239	0.5'	Grab	1	X	X	X	H ₂ PO ₄ : HP	
SS08	Soil	5/30/2025	1241	0.5'	Grab	1	X	X	X	NaHSO ₄ : NABIS	
SS07	Soil	5/30/2025	1243	0.5'	Grab	1	X	X	X	Na ₂ S ₂ O ₅ : NaSO ₃	
SS06	Soil	5/30/2025	1245	0.5'	Grab	1	X	X	X	Zn Acetate+NaOH: Zn	
SS05	Soil	5/30/2025	1335	0.5'	Grab	1	X	X	X	NaOH+Ascorbic Acid: SAPC	
SS04	Soil	5/30/2025	1340	0.5'	Grab	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Reinquired by: (Signature)	Received by: (Signature)	Date/Time	Reinquired by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9:09 5/12			



Environment Testing
Xenco

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

Work Order No: _____

www.xenco.com Page _____ of _____

Chain of Custody

Project Manager:	Devlin Hencmann	Bill to: (if different)	Billy Ginn
Company Name:	Ensolum, LLC	Company Name:	Hilcorp
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	805-798-2608	Email:	dhenemann@ensolum.com, klemmings@ensolum.com

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

Project Name:	E L Federal #005	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	07A1988214	Due Date:	4-Day				None: NO DI Water: H ₂ O
Project Location:	32.8192032, -103.9698116	TAT starts the day received by the lab, if received by 4:30pm					Cool: Cool MeOH: Me
Sampler's Name:	Alex Ferrell						HCL: HC HNO ₃ : HN
PO #:							H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: Yes No	Well Ice: Yes No					H ₃ PO ₄ : HP
Samples Received Intact:	Yes No	Thermometer ID:					NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes No	Correction Factor:					Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No	Temperature Reading:					Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:					NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	
							Chloride 300	TPH 8015
SS03	Soil	5/30/2025	1338	0.5'	Grab	1	X	X
SS02	Soil	5/30/2025	1342	0.5'	Grab	1	X	X
SS01	Soil	5/30/2025	1404	0.5'	Grab	1	X	X
AS								

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas T1 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471

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

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8259-1

SDG Number: 07A1988214

Login Number: 8259

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	

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8259-1

SDG Number: 07A1988214

Login Number: 8259

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 06/03/25 08:01 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	

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



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

December 10, 2025

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 12/09/25 15:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/10/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS08 0.2 (H257636-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2025	ND	1.88	93.8	2.00	1.82	
Toluene*	<0.050	0.050	12/09/2025	ND	2.06	103	2.00	1.23	
Ethylbenzene*	<0.050	0.050	12/09/2025	ND	2.09	104	2.00	1.60	
Total Xylenes*	<0.150	0.150	12/09/2025	ND	6.39	107	6.00	1.36	
Total BTEX	<0.300	0.300	12/09/2025	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	15600	16.0	12/10/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	234	117	200	8.48	
DRO >C10-C28*	<10.0	10.0	12/10/2025	ND	233	116	200	7.15	
EXT DRO >C28-C36	<10.0	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.4 % 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

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.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of

Company Name: Ensolum, LLC

Project Manager: Kafa Nagel

Address: 3122 National Parks Hwy

City: Carlsbad **State:** NM **Zip:** 88220

Phone #: 512-709-2473 **Fax #:**

Project #: 07A1988214 **Project Owner:**

Project Name: EL Federal #005

Project Location: 32.8192032, -103.9698116

Sampler Name: Mario Samis

FOR LAB USE ONLY

Lab I.D.: 11857030

Sample I.D.: C508

Depth (feet): 0.2

Matrix: SOIL

Preserv: ICE / COOL

DATE: 12/14/15 **TIME:** 12:30

Analysis: BTEX, TPH, Chloride

Signature: MRS

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	Analysis
11857030	C508	0.2	C	1			✓					✓		12/14/15	12:30	BTEX, TPH, Chloride

PLEASE NOTE: Liability and Damages: Customer'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 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 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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]

Received By: [Signature]

Date: 12/14/15 **Time:** 1510

Turnaround Time: Standard Rush

Thermometer ID: #13-#140 **Calibration Factor:** -0.6°C +0.3°C

Verbal Result: Yes No **Add'l Phone #:**

Remarks: MSA@hisen.com / knaegel@hisen.com / hjenkins@hisen.com

Delivered By: (Circle One) Observed Temp. °C Corrected Temp. °C

Sampler - UPS - Bus - Other: Corrected Temp. °C

Sample Condition: Cool Intact Yes No

Checked By: [Signature]

Turnaround Time: Standard Rush Bacteria (only) Cool Intact Yes No Corrected Temp. °C

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum

601 N. Marienfeld St.
Suite 400

Midland, Texas 79701

Generated 12/4/2025 2:28:15 PM

JOB DESCRIPTION

E L Federal #005
07A1988214

JOB NUMBER

890-9160-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
12/4/2025 2:28:15 PM

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

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

Client: Ensolum
Project/Site: E L Federal #005

Laboratory Job ID: 890-9160-1
SDG: 07A1988214

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	22

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

Definitions/Glossary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project: E L Federal #005

Job ID: 890-9160-1

Job ID: 890-9160-1

Eurofins Carlsbad

Job Narrative 890-9160-1

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

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

Receipt

The samples were received on 12/3/2025 4:04 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

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-125564/2-A) and (LCSD 880-125564/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS14 (890-9160-1) and (890-9158-A-1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-9158-A-1-C 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.

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: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

Client Sample ID: SS14

Lab Sample ID: 890-9160-1

Date Collected: 12/03/25 13:45

Matrix: Solid

Date Received: 12/03/25 16:04

Sample Depth: 0.5'

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		12/04/25 08:57	12/04/25 14:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/04/25 08:57	12/04/25 14:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/04/25 08:57	12/04/25 14:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		12/04/25 08:57	12/04/25 14:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/04/25 08:57	12/04/25 14:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/04/25 08:57	12/04/25 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/04/25 08:57	12/04/25 14:00	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/04/25 08:57	12/04/25 14:00	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			12/04/25 14:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			12/04/25 03:40	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		12/03/25 13:30	12/04/25 03:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/03/25 13:30	12/04/25 03:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/03/25 13:30	12/04/25 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/03/25 13:30	12/04/25 03:40	1
o-Terphenyl	143	S1+	70 - 130	12/03/25 13:30	12/04/25 03:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6780		101	mg/Kg			12/04/25 11:05	10

Client Sample ID: SS15

Lab Sample ID: 890-9160-2

Date Collected: 12/03/25 13:48

Matrix: Solid

Date Received: 12/03/25 16:04

Sample Depth: 0.5'

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		12/04/25 08:57	12/04/25 14:20	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/04/25 08:57	12/04/25 14:20	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/04/25 08:57	12/04/25 14:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		12/04/25 08:57	12/04/25 14:20	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/04/25 08:57	12/04/25 14:20	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/04/25 08:57	12/04/25 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	12/04/25 08:57	12/04/25 14:20	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9160-1
 SDG: 07A1988214

Client Sample ID: SS15

Lab Sample ID: 890-9160-2

Date Collected: 12/03/25 13:48

Matrix: Solid

Date Received: 12/03/25 16:04

Sample Depth: 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107		70 - 130	12/04/25 08:57	12/04/25 14:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/04/25 14:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/04/25 03:53	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	<50.0	U	50.0	mg/Kg		12/03/25 13:30	12/04/25 03:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/03/25 13:30	12/04/25 03:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/03/25 13:30	12/04/25 03:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	12/03/25 13:30	12/04/25 03:53	1
o-Terphenyl	120		70 - 130	12/03/25 13:30	12/04/25 03:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		9.94	mg/Kg			12/04/25 11:11	1

Surrogate Summary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-9158-A-16-D MS	Matrix Spike	96	99
890-9158-A-16-E MSD	Matrix Spike Duplicate	96	98
890-9160-1	SS14	100	101
890-9160-2	SS15	89	107
LCS 880-125631/1-A	Lab Control Sample	96	96
LCSD 880-125631/2-A	Lab Control Sample Dup	97	97
MB 880-125631/5-A	Method Blank	90	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-9158-A-1-B MS	Matrix Spike	123	121
890-9158-A-1-C MSD	Matrix Spike Duplicate	131 S1+	126
890-9160-1	SS14	128	143 S1+
890-9160-2	SS15	110	120
LCS 880-125564/2-A	Lab Control Sample	148 S1+	146 S1+
LCSD 880-125564/3-A	Lab Control Sample Dup	148 S1+	144 S1+
MB 880-125564/1-A	Method Blank	129	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-125631/5-A
Matrix: Solid
Analysis Batch: 125616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125631

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/04/25 08:00	12/04/25 10:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/04/25 08:00	12/04/25 10:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/04/25 08:00	12/04/25 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/04/25 08:00	12/04/25 10:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/04/25 08:00	12/04/25 10:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/04/25 08:00	12/04/25 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	12/04/25 08:00	12/04/25 10:40	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/04/25 08:00	12/04/25 10:40	1

Lab Sample ID: LCS 880-125631/1-A
Matrix: Solid
Analysis Batch: 125616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08965		mg/Kg		90	70 - 130
Toluene	0.100	0.08929		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09129		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1822		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09235		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-125631/2-A
Matrix: Solid
Analysis Batch: 125616

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125631

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09359		mg/Kg		94	70 - 130	4	35
Toluene	0.100	0.09163		mg/Kg		92	70 - 130	3	35
Ethylbenzene	0.100	0.09582		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1922		mg/Kg		96	70 - 130	5	35
o-Xylene	0.100	0.09484		mg/Kg		95	70 - 130	3	35

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

Lab Sample ID: 890-9158-A-16-D MS
Matrix: Solid
Analysis Batch: 125616

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 125631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09701		mg/Kg		97	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

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

Lab Sample ID: 890-9158-A-16-D MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125616

Prep Batch: 125631

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.1055		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2115		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.100	0.1057		mg/Kg		106	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-9158-A-16-E MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125616

Prep Batch: 125631

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1031		mg/Kg		103	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09847		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1057		mg/Kg		106	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2108		mg/Kg		105	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.1051		mg/Kg		105	70 - 130	1	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-125564/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125513

Prep Batch: 125564

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		12/03/25 13:30	12/03/25 22:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/03/25 13:30	12/03/25 22:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/03/25 13:30	12/03/25 22:28	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	129		70 - 130	12/03/25 13:30	12/03/25 22:28	1
o-Terphenyl	137	S1+	70 - 130	12/03/25 13:30	12/03/25 22:28	1

Lab Sample ID: LCS 880-125564/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125513

Prep Batch: 125564

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1035		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1220		mg/Kg		122	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

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

Lab Sample ID: LCS 880-125564/2-A
Matrix: Solid
Analysis Batch: 125513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125564

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	148	S1+	70 - 130
o-Terphenyl	146	S1+	70 - 130

Lab Sample ID: LCSD 880-125564/3-A
Matrix: Solid
Analysis Batch: 125513

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125564

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1062		mg/Kg		106	70 - 130	3		20
Diesel Range Organics (Over C10-C28)	1000	1207		mg/Kg		121	70 - 130	1		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	148	S1+	70 - 130
o-Terphenyl	144	S1+	70 - 130

Lab Sample ID: 890-9158-A-1-B MS
Matrix: Solid
Analysis Batch: 125513

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 125564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	849.0		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	944.8		mg/Kg		95	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	123		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 890-9158-A-1-C MSD
Matrix: Solid
Analysis Batch: 125513

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 125564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	884.5		mg/Kg		89	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	969.0		mg/Kg		97	70 - 130	3	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	126		70 - 130

QC Sample Results

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9160-1
 SDG: 07A1988214

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125610/1-A
 Matrix: Solid
 Analysis Batch: 125621

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			12/04/25 08:24	1

Lab Sample ID: LCS 880-125610/2-A
 Matrix: Solid
 Analysis Batch: 125621

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.6		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-125610/3-A
 Matrix: Solid
 Analysis Batch: 125621

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	226.3		mg/Kg		91	90 - 110	5	20

Lab Sample ID: 880-65681-A-6-B MS
 Matrix: Solid
 Analysis Batch: 125621

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	14.2		250	260.4		mg/Kg		98	90 - 110

Lab Sample ID: 880-65681-A-6-C MSD
 Matrix: Solid
 Analysis Batch: 125621

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	14.2		250	256.3		mg/Kg		97	90 - 110	2	20

QC Association Summary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

GC VOA

Analysis Batch: 125616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9160-1	SS14	Total/NA	Solid	8021B	125631
890-9160-2	SS15	Total/NA	Solid	8021B	125631
MB 880-125631/5-A	Method Blank	Total/NA	Solid	8021B	125631
LCS 880-125631/1-A	Lab Control Sample	Total/NA	Solid	8021B	125631
LCSD 880-125631/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125631
890-9158-A-16-D MS	Matrix Spike	Total/NA	Solid	8021B	125631
890-9158-A-16-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	125631

Prep Batch: 125631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9160-1	SS14	Total/NA	Solid	5035	
890-9160-2	SS15	Total/NA	Solid	5035	
MB 880-125631/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125631/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125631/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9158-A-16-D MS	Matrix Spike	Total/NA	Solid	5035	
890-9158-A-16-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 125686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9160-1	SS14	Total/NA	Solid	Total BTEX	
890-9160-2	SS15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 125513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9160-1	SS14	Total/NA	Solid	8015B NM	125564
890-9160-2	SS15	Total/NA	Solid	8015B NM	125564
MB 880-125564/1-A	Method Blank	Total/NA	Solid	8015B NM	125564
LCS 880-125564/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125564
LCSD 880-125564/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125564
890-9158-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	125564
890-9158-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	125564

Prep Batch: 125564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9160-1	SS14	Total/NA	Solid	8015NM Prep	
890-9160-2	SS15	Total/NA	Solid	8015NM Prep	
MB 880-125564/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125564/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125564/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9158-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9158-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 125657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9160-1	SS14	Total/NA	Solid	8015 NM	
890-9160-2	SS15	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9160-1
 SDG: 07A1988214

HPLC/IC

Leach Batch: 125610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9160-1	SS14	Soluble	Solid	DI Leach	
890-9160-2	SS15	Soluble	Solid	DI Leach	
MB 880-125610/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125610/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125610/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65681-A-6-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-65681-A-6-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 125621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9160-1	SS14	Soluble	Solid	300.0	125610
890-9160-2	SS15	Soluble	Solid	300.0	125610
MB 880-125610/1-A	Method Blank	Soluble	Solid	300.0	125610
LCS 880-125610/2-A	Lab Control Sample	Soluble	Solid	300.0	125610
LCSD 880-125610/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125610
880-65681-A-6-B MS	Matrix Spike	Soluble	Solid	300.0	125610
880-65681-A-6-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	125610

Lab Chronicle

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9160-1
 SDG: 07A1988214

Client Sample ID: SS14

Lab Sample ID: 890-9160-1

Date Collected: 12/03/25 13:45

Matrix: Solid

Date Received: 12/03/25 16:04

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	125631	12/04/25 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125616	12/04/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125686	12/04/25 14:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			125657	12/04/25 03:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 03:40	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125610	12/04/25 07:53	SA	EET MID
Soluble	Analysis	300.0		10			125621	12/04/25 11:05	SMC	EET MID

Client Sample ID: SS15

Lab Sample ID: 890-9160-2

Date Collected: 12/03/25 13:48

Matrix: Solid

Date Received: 12/03/25 16:04

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	125631	12/04/25 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125616	12/04/25 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125686	12/04/25 14:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			125657	12/04/25 03:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 03:53	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125610	12/04/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			125621	12/04/25 11:11	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9160-1
 SDG: 07A1988214

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: E L Federal #005

Job ID: 890-9160-1
SDG: 07A1988214

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9160-1	SS14	Solid	12/03/25 13:45	12/03/25 16:04	0.5'
890-9160-2	SS15	Solid	12/03/25 13:48	12/03/25 16:04	0.5'

- 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
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
Xenco



Work

890-9160 Chain of Custody

WWW.XENCO.COM

Project Manager:	Kara Naegele	Bill to: (if different)	Billy Ginn
Company Name:	ENSULUM, LLC	Company Name:	Hilco
Address:	3122 National Pkwy Hwy	Address:	111 Travis Street
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Houston, TX 77002
Phone:	817-683-2503	Email:	Knaegele@ensulum.com

Project Name:	E L Federal #085	Turn Around	
Project Number:	07A1985214	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	32.8192032, -103.969816	Due Date:	24-Hr
Sampler's Name:	ALEX FERRELL	TAT starts the day received by the lab, if received by 4:30pm	
P O #:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST	Preservative Codes
							Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
SS14	Soil	12/3/25	1345	0.5'	G	1				None: NO	
SS15	Soil	12/3/25	1348	0.5'	G	1				Cool: Cool	
										HCL: HC	
										H ₂ SO ₄ : H ₂	
										H ₃ PO ₄ : HP	
										NaHSO ₄ : NABIS	
										Na ₂ S ₂ O ₃ : NaSO ₃	
										Zn Acetate+NaOH: Zn	
										NaOH+Ascorbic Acid: SACP	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	12/04/25			

Revised Date: 08/25/2020 Rev. 2002.0

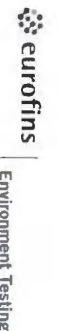


- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

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)

Client Contact: N/A
 Phone: N/A
 Shipping/Receiving: N/A
 E-Mail: Jessica.Kramer@ef.eurofins.com

Lab P.M.: Kramer, Jessica
 Accreditation Required (See note): NELAP - Texas

Carrier Tracking No(s): N/A
 State of Origin: New Mexico

COC No: 890-6204.1
 Page: Page 1 of 1
 Job #: 890-9160-1

Address: 1211 W. Florida Ave.
 City: Midland
 State, Zip: TX, 79701
 Phone: 432-704-5440(Tel)
 Email: N/A
 Project Name: E.L. Federal #005
 Site: N/A

Due Date Requested: 12/4/2025
 TAT Requested (days): N/A

Analysis Requested

Preservation Codes:

PO #: N/A
 WO #: N/A
 Project #: 89000236
 SSO#: N/A

Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
X	X
X	X
X	X
X	X
X	X
X	X
X	X

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (W=water, S=solid, O=ore/rock, BT=Trace, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
SS14 (890-9160-1)	12/3/25	13:45	G	Solid	X	X	1	
SS15 (890-9160-2)	12/3/25	13:48	G	Solid	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 instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed

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

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by: *[Signature]*

Date/Time: 12-3-25 16:30

Date/Time: 12-3-25 16:30

Company:

Time:

Received by: *[Signature]*

Date/Time: 12-3-25 8:00

Company:

Relinquished by:

Date/Time:

Company:

Time:

Received 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: 890-9160-1

SDG Number: 07A1988214

Login Number: 9160

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	

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9160-1

SDG Number: 07A1988214

Login Number: 9160

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 12/04/25 07:49 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	

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Kara Naegeli
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701
 Generated 1/2/2026 6:48:10 PM

JOB DESCRIPTION

E L Federal #005
 07A1988214

JOB NUMBER

890-9296-1

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
1/2/2026 6:48:10 PM

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

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

Client: Ensolum
Project/Site: E L Federal #005

Laboratory Job ID: 890-9296-1
SDG: 07A1988214

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

Definitions/Glossary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9296-1
SDG: 07A1988214

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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: E L Federal #005

Job ID: 890-9296-1

Job ID: 890-9296-1

Eurofins Carlsbad

Job Narrative 890-9296-1

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 sample was received on 12/30/2025 3:55 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Receipt Exceptions

The following samples analyzed were received and analyzed from an unpreserved bulk soil jar: CS06 (890-9296-1).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-127795 and 880-127986 and analytical batch 880-127956 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-128028 and analytical batch 880-128090 was outside the upper control limits.

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

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: E L Federal #005

Job ID: 890-9296-1
 SDG: 07A1988214

Client Sample ID: CS06

Lab Sample ID: 890-9296-1

Date Collected: 12/30/25 10:50

Matrix: Solid

Date Received: 12/30/25 15:55

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/31/25 10:01	01/01/26 07:22	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/31/25 10:01	01/01/26 07:22	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/31/25 10:01	01/01/26 07:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		12/31/25 10:01	01/01/26 07:22	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/31/25 10:01	01/01/26 07:22	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		12/31/25 10:01	01/01/26 07:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/31/25 10:01	01/01/26 07:22	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/31/25 10:01	01/01/26 07:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/01/26 07:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	137		50.0	mg/Kg			01/02/26 18:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/31/25 15:07	01/02/26 18:08	1
Diesel Range Organics (Over C10-C28)	137		50.0	mg/Kg		12/31/25 15:07	01/02/26 18:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/31/25 15:07	01/02/26 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	12/31/25 15:07	01/02/26 18:08	1
o-Terphenyl	111		70 - 130	12/31/25 15:07	01/02/26 18:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5950		100	mg/Kg			12/31/25 21:00	10

Surrogate Summary

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9296-1
 SDG: 07A1988214

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)
890-9293-A-1-E MS	Matrix Spike	102	98
890-9293-A-1-F MSD	Matrix Spike Duplicate	111	96
890-9296-1	CS06	129	102
LCS 880-127986/1-A	Lab Control Sample	106	98
LCSD 880-127986/2-A	Lab Control Sample Dup	110	96
MB 880-127795/5-A	Method Blank	160 S1+	91
MB 880-127986/5-A	Method Blank	144 S1+	82

Surrogate Legend
 BFB = 4-Bromofluorobenzene (Surr)
 DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-66569-A-1-B MS	Matrix Spike	109	106
880-66569-A-1-C MSD	Matrix Spike Duplicate	130	125
890-9296-1	CS06	119	111
LCS 880-128028/2-A	Lab Control Sample	127	123
LCSD 880-128028/3-A	Lab Control Sample Dup	128	124
MB 880-128028/1-A	Method Blank	185 S1+	171 S1+

Surrogate Legend
 1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9296-1
SDG: 07A1988214

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-127795/5-A
Matrix: Solid
Analysis Batch: 127956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127795

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		12/29/25 08:29	12/31/25 11:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/29/25 08:29	12/31/25 11:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/29/25 08:29	12/31/25 11:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/29/25 08:29	12/31/25 11:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/29/25 08:29	12/31/25 11:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/29/25 08:29	12/31/25 11:19	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130	12/29/25 08:29	12/31/25 11:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/29/25 08:29	12/31/25 11:19	1

Lab Sample ID: MB 880-127986/5-A
Matrix: Solid
Analysis Batch: 127956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127986

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		12/31/25 10:01	12/31/25 22:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/31/25 10:01	12/31/25 22:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/31/25 10:01	12/31/25 22:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/31/25 10:01	12/31/25 22:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/31/25 10:01	12/31/25 22:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/31/25 10:01	12/31/25 22:55	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	12/31/25 10:01	12/31/25 22:55	1
1,4-Difluorobenzene (Surr)	82		70 - 130	12/31/25 10:01	12/31/25 22:55	1

Lab Sample ID: LCS 880-127986/1-A
Matrix: Solid
Analysis Batch: 127956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.1041		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1134		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2200		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-127986/2-A
Matrix: Solid
Analysis Batch: 127956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127986

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1106		mg/Kg		111	70 - 130	0	35

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9296-1
SDG: 07A1988214

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

Lab Sample ID: LCSD 880-127986/2-A
Matrix: Solid
Analysis Batch: 127956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127986

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1123		mg/Kg		112	70 - 130	8	35
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2442		mg/Kg		122	70 - 130	10	35
o-Xylene	0.100	0.1203		mg/Kg		120	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-9293-A-1-E MS
Matrix: Solid
Analysis Batch: 127956

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 127986

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1012		mg/Kg		101	70 - 130
Toluene	<0.00200	U	0.100	0.09548		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1260		mg/Kg		125	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2137		mg/Kg		107	70 - 130
o-Xylene	0.00336		0.100	0.1065		mg/Kg		103	70 - 130

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

Lab Sample ID: 890-9293-A-1-F MSD
Matrix: Solid
Analysis Batch: 127956

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 127986

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	0.09410		mg/Kg		94	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.1025		mg/Kg		102	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.1218		mg/Kg		121	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2012		mg/Kg		101	70 - 130	6	35
o-Xylene	0.00336		0.100	0.1010		mg/Kg		98	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-128028/1-A
Matrix: Solid
Analysis Batch: 128090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 128028

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/31/25 15:07	01/02/26 08:40		1

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9296-1
SDG: 07A1988214

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

Lab Sample ID: MB 880-128028/1-A
Matrix: Solid
Analysis Batch: 128090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 128028

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		12/31/25 15:07	01/02/26 08:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/31/25 15:07	01/02/26 08:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	185	S1+	70 - 130	12/31/25 15:07	01/02/26 08:40	1
o-Terphenyl	171	S1+	70 - 130	12/31/25 15:07	01/02/26 08:40	1

Lab Sample ID: LCS 880-128028/2-A
Matrix: Solid
Analysis Batch: 128090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1106		mg/Kg		111	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	127		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: LCSD 880-128028/3-A
Matrix: Solid
Analysis Batch: 128090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 128028

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1111		mg/Kg		111	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		112	70 - 130	2	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	128		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: 880-66569-A-1-B MS
Matrix: Solid
Analysis Batch: 128090

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 128028

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	923.7		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	905.3		mg/Kg		91	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	109		70 - 130
o-Terphenyl	106		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9296-1
SDG: 07A1988214

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

Lab Sample ID: 880-66569-A-1-C MSD
Matrix: Solid
Analysis Batch: 128090

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 128028

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1117		mg/Kg		112	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1069		mg/Kg		107	70 - 130	17	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane	130			70 - 130							
o-Terphenyl	125			70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-127995/1-A
Matrix: Solid
Analysis Batch: 128003

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			12/31/25 17:18	1

Lab Sample ID: LCS 880-127995/2-A
Matrix: Solid
Analysis Batch: 128003

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-127995/3-A
Matrix: Solid
Analysis Batch: 128003

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	256.7		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-9297-A-11-D MS
Matrix: Solid
Analysis Batch: 128003

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	26.0		252	288.9		mg/Kg		105	90 - 110

Lab Sample ID: 890-9297-A-11-E MSD
Matrix: Solid
Analysis Batch: 128003

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	26.0		252	285.4		mg/Kg		103	90 - 110	1	20

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9296-1
 SDG: 07A1988214

GC VOA

Prep Batch: 127795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-127795/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 127956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9296-1	CS06	Total/NA	Solid	8021B	127986
MB 880-127795/5-A	Method Blank	Total/NA	Solid	8021B	127795
MB 880-127986/5-A	Method Blank	Total/NA	Solid	8021B	127986
LCS 880-127986/1-A	Lab Control Sample	Total/NA	Solid	8021B	127986
LCSD 880-127986/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127986
890-9293-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	127986
890-9293-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	127986

Prep Batch: 127986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9296-1	CS06	Total/NA	Solid	5035	
MB 880-127986/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127986/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127986/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9293-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-9293-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 128121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9296-1	CS06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 128028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9296-1	CS06	Total/NA	Solid	8015NM Prep	
MB 880-128028/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-128028/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-128028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-66569-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-66569-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 128090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9296-1	CS06	Total/NA	Solid	8015B NM	128028
MB 880-128028/1-A	Method Blank	Total/NA	Solid	8015B NM	128028
LCS 880-128028/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	128028
LCSD 880-128028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	128028
880-66569-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	128028
880-66569-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	128028

Analysis Batch: 128141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9296-1	CS06	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9296-1
 SDG: 07A1988214

HPLC/IC

Leach Batch: 127995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9296-1	CS06	Soluble	Solid	DI Leach	
MB 880-127995/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127995/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127995/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9297-A-11-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-9297-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 128003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9296-1	CS06	Soluble	Solid	300.0	127995
MB 880-127995/1-A	Method Blank	Soluble	Solid	300.0	127995
LCS 880-127995/2-A	Lab Control Sample	Soluble	Solid	300.0	127995
LCSD 880-127995/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	127995
890-9297-A-11-D MS	Matrix Spike	Soluble	Solid	300.0	127995
890-9297-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	127995

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

Lab Chronicle

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9296-1
 SDG: 07A1988214

Client Sample ID: CS06

Lab Sample ID: 890-9296-1

Date Collected: 12/30/25 10:50

Matrix: Solid

Date Received: 12/30/25 15:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	127986	12/31/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127956	01/01/26 07:22	SA	EET MID
Total/NA	Analysis	Total BTEX		1			128121	01/01/26 07:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			128141	01/02/26 18:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	128028	12/31/25 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128090	01/02/26 18:08	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		10			128003	12/31/25 21:00	CS	EET MID

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: E L Federal #005

Job ID: 890-9296-1
SDG: 07A1988214

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9296-1
 SDG: 07A1988214

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: E L Federal #005

Job ID: 890-9296-1
SDG: 07A1988214

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9296-1	CS06	Solid	12/30/25 10:50	12/30/25 15:55	0.5

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9296-1

SDG Number: 07A1988214

Login Number: 9296

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	

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9296-1

SDG Number: 07A1988214

Login Number: 9296

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 12/31/25 08:29 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	

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



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

December 12, 2025

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 12/09/25 15:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/08/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 01 4 (H257637-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	4240	16.0	12/10/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96	
DRO >C10-C28*	<10.0	10.0	12/10/2025	ND	230	115	200	8.36	
EXT DRO >C28-C36	<10.0	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.7 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/08/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 02 4 (H257637-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69		
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35		
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43		
Total BTEX	<0.300	0.300	12/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	3520	16.0	12/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96		
DRO >C10-C28*	<10.0	10.0	12/10/2025	ND	230	115	200	8.36		
EXT DRO >C28-C36	<10.0	10.0	12/10/2025	ND						

Surrogate: 1-Chlorooctane 86.3 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 03 0.5 (H257637-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69		
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35		
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43		
Total BTEX	<0.300	0.300	12/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	12/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96		
DRO >C10-C28*	1010	10.0	12/10/2025	ND	230	115	200	8.36		
EXT DRO >C28-C36	327	10.0	12/10/2025	ND						

Surrogate: 1-Chlorooctane 75.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.2 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 04 0.5 (H257637-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	10600	16.0	12/10/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96	
DRO >C10-C28*	<10.0	10.0	12/10/2025	ND	230	115	200	8.36	
EXT DRO >C28-C36	<10.0	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 05 0.5 (H257637-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69		
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35		
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43		
Total BTEX	<0.300	0.300	12/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	8400	16.0	12/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96		
DRO >C10-C28*	<10.0	10.0	12/10/2025	ND	230	115	200	8.36		
EXT DRO >C28-C36	<10.0	10.0	12/10/2025	ND						

Surrogate: 1-Chlorooctane 85.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.6 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 06 0.5 (H257637-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 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	5520	16.0	12/10/2025	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*	11.2	10.0	12/10/2025	ND	223	112	200	5.96	
DRO >C10-C28*	1970	10.0	12/10/2025	ND	230	115	200	8.36	
EXT DRO >C28-C36	499	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 140 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 07 0.5 (H257637-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	12/10/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96	
DRO >C10-C28*	1700	10.0	12/10/2025	ND	230	115	200	8.36	
EXT DRO >C28-C36	430	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.8 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 08 0.5 (H257637-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	GC-NC
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	1440	16.0	12/10/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96	
DRO >C10-C28*	643	10.0	12/10/2025	ND	230	115	200	8.36	
EXT DRO >C28-C36	186	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.4 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 09 0.5 (H257637-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 81.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	12/10/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96	
DRO >C10-C28*	689	10.0	12/10/2025	ND	230	115	200	8.36	
EXT DRO >C28-C36	276	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 01 0.5 (H257637-10)

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	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13600	16.0	12/10/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96	
DRO >C10-C28*	50.2	10.0	12/10/2025	ND	230	115	200	8.36	
EXT DRO >C28-C36	16.7	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 02 0.2 (H257637-11)

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	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	12/10/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	223	112	200	5.96	
DRO >C10-C28*	1860	10.0	12/10/2025	ND	230	115	200	8.36	
EXT DRO >C28-C36	593	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 75.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 129 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 01 0.2 (H257637-12)

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	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 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	3920	16.0	12/10/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	200	100	200	2.69	
DRO >C10-C28*	82.4	10.0	12/10/2025	ND	224	112	200	1.21	
EXT DRO >C28-C36	32.3	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.5 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 02 0.2 (H257637-13)

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	12/10/2025	ND	2.07	103	2.00	4.69		
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35		
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43		
Total BTEX	<0.300	0.300	12/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	12/10/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	200	100	200	2.69		
DRO >C10-C28*	32.2	10.0	12/10/2025	ND	224	112	200	1.21		
EXT DRO >C28-C36	15.9	10.0	12/10/2025	ND						

Surrogate: 1-Chlorooctane 85.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.7 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 03 0.2 (H257637-14)

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	12/10/2025	ND	2.07	103	2.00	4.69		
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35		
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43		
Total BTEX	<0.300	0.300	12/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3880	16.0	12/10/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	200	100	200	2.69		
DRO >C10-C28*	383	10.0	12/10/2025	ND	224	112	200	1.21		
EXT DRO >C28-C36	171	10.0	12/10/2025	ND						

Surrogate: 1-Chlorooctane 82.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.2 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 04 0.2 (H257637-15)

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	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	12/10/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	200	100	200	2.69	
DRO >C10-C28*	84.9	10.0	12/10/2025	ND	224	112	200	1.21	
EXT DRO >C28-C36	25.1	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 70.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.3 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 05 0.2 (H257637-16)

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	12/10/2025	ND	2.07	103	2.00	4.69	
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35	
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43	
Total BTEX	<0.300	0.300	12/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7520	16.0	12/10/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	200	100	200	2.69	
DRO >C10-C28*	367	10.0	12/10/2025	ND	224	112	200	1.21	
EXT DRO >C28-C36	180	10.0	12/10/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.8 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 06 0.2 (H257637-17)

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	12/10/2025	ND	2.07	103	2.00	4.69		
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35		
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36	GC-NC	
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43		
Total BTEX	<0.300	0.300	12/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8480	16.0	12/10/2025	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*	23.0	10.0	12/10/2025	ND	200	100	200	2.69		
DRO >C10-C28*	2000	10.0	12/10/2025	ND	224	112	200	1.21		
EXT DRO >C28-C36	346	10.0	12/10/2025	ND						

Surrogate: 1-Chlorooctane 78.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 121 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 07 0.2 (H257637-18)

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	12/10/2025	ND	2.07	103	2.00	4.69		
Toluene*	<0.050	0.050	12/10/2025	ND	2.05	102	2.00	3.35		
Ethylbenzene*	<0.050	0.050	12/10/2025	ND	1.98	98.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	12/10/2025	ND	6.05	101	6.00	3.43		
Total BTEX	<0.300	0.300	12/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5920	16.0	12/10/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	200	100	200	2.69		
DRO >C10-C28*	35.9	10.0	12/10/2025	ND	224	112	200	1.21		
EXT DRO >C28-C36	16.7	10.0	12/10/2025	ND						

Surrogate: 1-Chlorooctane 69.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.5 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/09/2025	Sampling Date:	12/09/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 09 0.2 (H257637-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2025	ND	2.07	103	2.00	4.69		
Toluene*	<0.050	0.050	12/11/2025	ND	2.05	102	2.00	3.35		
Ethylbenzene*	<0.050	0.050	12/11/2025	ND	1.98	98.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	12/11/2025	ND	6.05	101	6.00	3.43		
Total BTEX	<0.300	0.300	12/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	12/10/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2025	ND	200	100	200	2.69		
DRO >C10-C28*	59.4	10.0	12/10/2025	ND	224	112	200	1.21		
EXT DRO >C28-C36	29.9	10.0	12/10/2025	ND						

Surrogate: 1-Chlorooctane 79.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.2 % 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

Notes and Definitions

- GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
- 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.

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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Kafa Negele
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 512-709-2473 Fax #:
 Project #: 07A1988214 Project Owner:
 Project Name: E-L Federal #005
 Project Location: 32.8192032, -103.4698116
 Sampler Name: Marcio SARKIS
 P.O. #:
 Company: ^{Hilcorp}
 Attn: Billy Ginn
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:
 PRESERV:
 SAMPLING:
 DATE TIME

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	Chloride
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
4357037	F501	4	C	1								12/8/25	1246	✓	✓	✓
	F502	4	C	1								12/8/25	1427	✓	✓	✓
	F503	0.5	C	1								12/9/25	1135	✓	✓	✓
	F504	0.5	C	1									1140	✓	✓	✓
	F505	0.5	C	1									1036	✓	✓	✓
	F506	0.5	C	1									1037	✓	✓	✓
	F507	0.5	C	1									1039	✓	✓	✓
	F508	0.5	C	1									1041	✓	✓	✓
	F509	0.5	C	1									1042	✓	✓	✓
	SW01	0.5	C	1										✓	✓	✓

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

Relinquished By: *[Signature]*
 Date: 12/14/25
 Time: 15:10
 Received By: *[Signature]*
 Date:
 Time:
 Remarks: *M SARKIS@ENSOLUM.COM / Knegele@ensolum.com / Wjenkins@ensolum.com*

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other:
 Observed Temp. °C: *00°C*
 Corrected Temp. °C: *0.0°C*
 Sample Condition:
 Cool Intact: Yes No
 Intact: Yes No
 CHECKED BY: *AB*
 Turnaround Time: *72-hr Rush*
 Thermometer ID #43 *to 5*
 Bacteria (only) Sample Condition:
 Cool Intact: Yes No
 Observed Temp. °C:
 Corrected Temp. °C:
 Verbal Result: Yes No Add'l Phone #: *95-0000000000-0000*
 All Results are emailed. Please provide Email address:
 Remarks: *M SARKIS@ENSOLUM.COM / Knegele@ensolum.com / Wjenkins@ensolum.com*

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

204

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Kata Maegele
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 512-709-2473 Fax #:
 Project #: 07A1988214 Project Owner:
 Project Name: E L Federal #005
 Project Location: 3a.8192032, -103.9698116
 Sampler Name: Marlo Sarvis
 P.O. #:
 Company: Hilcorp
 Attn: Billy Ginn
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:
 PRESERV:
 SAMPLING:
 DATE TIME

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	Chloride
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
11	SW02	0.2		1								12/1/35	1045			
12	CS01	0.2		1									1101			
13	CS02	0.2		1									1103			
14	CS03	0.2		1									1105			
15	CS04	0.2		1									1106			
16	CS05	0.2		1									1108			
17	CS06	0.2		1									1110			
18	CS07	0.2		1									1112			
19	CS09	0.2		1									1235			

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether caused 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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 12/1/35 Time: 1510
 Received By: [Signature] Date: 12/1/35 Time: 1510
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: Msa@ensolum.com / kmaegele@ensolum.com / kvenning@ensolum.com

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: 00.5 Sample Condition: Cool Intact Yes No Yes No
 Corrected Temp. °C: 0.92 CHECKED BY: (Initials) [Signature]
 Turnaround Time: 72-hr Standard Bacteria (only) Sample Condition Cool Intact Yes No Yes No
 Thermometer ID: M13 #110 Corrected Temp. °C: 0.92
 Correction Factor: 0.5C to 0.3
 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabsnm.com



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

December 23, 2025

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 12/19/25 15:53.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/23/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 12 4' (H257859-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2025	ND	2.05	103	2.00	1.95		
Toluene*	<0.050	0.050	12/22/2025	ND	2.20	110	2.00	2.49		
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	12/22/2025	ND	6.49	108	6.00	2.40		
Total BTEX	<0.300	0.300	12/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	12/22/2025	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	211	106	200	0.262		
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	203	101	200	0.962		
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND						

Surrogate: 1-Chlorooctane 98.9 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/23/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 13 4' (H257859-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2025	ND	2.05	103	2.00	1.95	
Toluene*	<0.050	0.050	12/22/2025	ND	2.20	110	2.00	2.49	
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	2.16	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	12/22/2025	ND	6.49	108	6.00	2.40	
Total BTEX	<0.300	0.300	12/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	2480	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	211	106	200	0.262	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	203	101	200	0.962	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.5 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/23/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 14 4' (H257859-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2025	ND	2.05	103	2.00	1.95		
Toluene*	<0.050	0.050	12/22/2025	ND	2.20	110	2.00	2.49		
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	12/22/2025	ND	6.49	108	6.00	2.40		
Total BTEX	<0.300	0.300	12/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	976	16.0	12/22/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	211	106	200	0.262		
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	203	101	200	0.962		
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND						

Surrogate: 1-Chlorooctane 94.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.4 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/23/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 15 4' (H257859-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2025	ND	2.05	103	2.00	1.95	
Toluene*	<0.050	0.050	12/22/2025	ND	2.20	110	2.00	2.49	
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	2.16	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	12/22/2025	ND	6.49	108	6.00	2.40	
Total BTEX	<0.300	0.300	12/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1650	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	211	106	200	0.262	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	203	101	200	0.962	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/23/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 03 0-4' (H257859-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2025	ND	2.05	103	2.00	1.95	
Toluene*	<0.050	0.050	12/22/2025	ND	2.20	110	2.00	2.49	
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	2.16	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	12/22/2025	ND	6.49	108	6.00	2.40	
Total BTEX	<0.300	0.300	12/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	211	106	200	0.262	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	203	101	200	0.962	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.4 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/19/2025	Sampling Date:	12/19/2025
Reported:	12/23/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 16 4' (H257859-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2025	ND	2.05	103	2.00	1.95	
Toluene*	<0.050	0.050	12/22/2025	ND	2.20	110	2.00	2.49	
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	2.16	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	12/22/2025	ND	6.49	108	6.00	2.40	
Total BTEX	<0.300	0.300	12/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	5600	16.0	12/22/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	211	106	200	0.262	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	203	101	200	0.962	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 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

- 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.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Kara Naegele
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 512-709-2473 Fax #: _____
 Project #: 07A1988 Project Owner: Hilcorp
 Project Name: E L Federal #00S City: _____ State: _____ Zip: _____
 Project Location: Eddy County, NM Phone #: _____ Fax #: _____
 Sampler Name: Steve Kroes

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS					
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:				ICE / COOL	OTHER :			
HAS-7854	FS12	4'	C	1			X					12/8/25	14:46	X	BTX 8021				
	FS13	4'											14:41	X	TPH 8015				
	FS14	4'											14:34						
	FS15	4'											14:29						
	SM03	24'											14:43						
	FS16	4'											2/19/25	13:12					

PLEASE NOTE: Liability and Damages, Cardinal's liability and clients' 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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Steve Kroes Date: 12/10/25 Time: 15:53
 Received By: APPA 140
 Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: knage@ensolum.com, Steve@ensolum.com, stef@ensolum.com
 REMARKS: OS-04024015
 Incident: _____
 Cost Center: _____

Delivered By: (Circle One) Observed Temp. °C: 35 Sample Condition: Intact Broken
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 38 Cool Yes No
 CHECKED BY: (Initials) AP
 Turnaround Time: 72 hr Standard Bacteria (only)
 Thermometer ID: #140 Rush Cool Intact Yes No
 Correction Factor: 1.0-3.2 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

December 29, 2025

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/19/2025	Sampling Date:	12/15/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 10 4' (H257866-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2025	ND	1.72	86.0	2.00	3.99		
Toluene*	<0.050	0.050	12/22/2025	ND	1.89	94.7	2.00	1.66		
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	1.86	93.1	2.00	1.11		
Total Xylenes*	<0.150	0.150	12/22/2025	ND	5.51	91.8	6.00	1.93		
Total BTEX	<0.300	0.300	12/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	5000	16.0	12/22/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	187	93.6	200	0.516		
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	179	89.4	200	0.543		
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND						

Surrogate: 1-Chlorooctane 103 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.8 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/19/2025	Sampling Date:	12/15/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 11 4' (H257866-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2025	ND	1.72	86.0	2.00	3.99		
Toluene*	<0.050	0.050	12/22/2025	ND	1.89	94.7	2.00	1.66		
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	1.86	93.1	2.00	1.11		
Total Xylenes*	<0.150	0.150	12/22/2025	ND	5.51	91.8	6.00	1.93		
Total BTEX	<0.300	0.300	12/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	2200	16.0	12/22/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	187	93.6	200	0.516		
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	179	89.4	200	0.543		
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND						

Surrogate: 1-Chlorooctane 102 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.4 % 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

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.

Celey D. Keene, Lab Director/Quality Manager



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

1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolium
 Project Manager: Kara Naeppli
 Address: 3122 N Okonko Park Dr Hwy
 City: Carsbad State: NM Zip: 88220
 Phone #: 512-202-2473 Fax #: _____
 Project #: 07A19080214 Project Owner: _____
 Project Name: EL Federal #005
 Project Location: Eddy County, NM
 Sampler Name: Shirley Parsons
 P.O. #: _____
 Company: Hiscoep
 Attn: Billy Ginn
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
<u>HAS-TRAV</u>	<u>ES10</u>	<u>4'</u>	<u>C</u>	<u>1</u>			<u>X</u>					<u>12/5/15</u>	<u>09:49</u>	<u>BTEX 8021</u>
<u>5</u>	<u>ES11</u>	<u>4'</u>	<u>C</u>	<u>1</u>			<u>X</u>					<u>12/5/15</u>	<u>09:52</u>	<u>TPH 8015</u>
														<u>Chloride 4500</u>

PLEASE NOTE: Liability and claims are the exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

CLS
01020202K

NFE
12/19/15

Relinquished By: Melba Bna Date: 12/18/15 Received By: _____
 Relinquished By: _____ Date: 12/19 Received By: _____
 Delivered By: (Circle One) Observed Temp. °C: 3.5 Sample Condition: COOL
 Corrected Temp. °C: 3.0 Cool Intact: Yes No
 Sampler - UPS - Bus - Other: Yes No
 Turnaround Time: Standard Bacteria (only) Sample Condition: COOL
 Thermometer ID #140 8812/17/15 Cool Intact: Yes No
 Correction Factor +0.3°C Yes No Corrected Temp. °C: _____
 Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: keene@ensolium.com, sprock@ensolium.com
 REMARKS: NO RUSH

FORM 0001 (1-20) 02/12/20

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum

601 N. Marienfeld St.
Suite 400

Midland, Texas 79701

Generated 1/13/2026 10:18:14 AM

JOB DESCRIPTION

E L Federal #005
07A1988214

JOB NUMBER

890-9326-1

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
1/13/2026 10:18:14 AM

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

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

Client: Ensolum
Project/Site: E L Federal #005

Laboratory Job ID: 890-9326-1
SDG: 07A1988214

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	15
Lab Chronicle	17
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	23

Definitions/Glossary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

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: E L Federal #005

Job ID: 890-9326-1

Job ID: 890-9326-1

Eurofins Carlsbad

Job Narrative 890-9326-1

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

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

Receipt

The samples were received on 1/8/2026 1:43 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS03A (890-9326-1), FS06A (890-9326-2) and FS07A (890-9326-3).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS03A (890-9326-1), FS06A (890-9326-2) and FS07A (890-9326-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-128574 and analytical batch 880-128556 was outside the control limits.

Method 8021B: Batch preparation batch 880-128574 and analytical batch 880-128556 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another client's sample, and this test was canceled at client request. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-128721 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-128721/51).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-9326-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-9326-A-1-D MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-128609 and analytical batch 880-128721 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: FS07A (890-9326-3). This sample did not contain any target analytes; 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.

Eurofins Carlsbad

Case Narrative

Client: Ensolum
Project: E L Federal #005

Job ID: 890-9326-1

Job ID: 890-9326-1 (Continued)

Eurofins Carlsbad

HPLC/IC

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: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

Client Sample ID: FS03A

Lab Sample ID: 890-9326-1

Date Collected: 01/07/26 10:40

Matrix: Solid

Date Received: 01/08/26 13:43

Sample Depth: 1 - COMP

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 13:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 13:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 13:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/09/26 09:09	01/09/26 13:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 13:26	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/26 09:09	01/09/26 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	01/09/26 09:09	01/09/26 13:26	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	01/09/26 09:09	01/09/26 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/09/26 13:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1080		49.8	mg/Kg			01/12/26 16:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/09/26 10:24	01/12/26 16:13	1
Diesel Range Organics (Over C10-C28)	1080	F2 F1	49.8	mg/Kg		01/09/26 10:24	01/12/26 16:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/09/26 10:24	01/12/26 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	01/09/26 10:24	01/12/26 16:13	1
o-Terphenyl	125		70 - 130	01/09/26 10:24	01/12/26 16:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8850		99.8	mg/Kg			01/09/26 15:49	10

Client Sample ID: FS06A

Lab Sample ID: 890-9326-2

Date Collected: 01/07/26 10:42

Matrix: Solid

Date Received: 01/08/26 13:43

Sample Depth: 1 - COMP

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/09/26 09:09	01/09/26 13:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/26 09:09	01/09/26 13:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/26 09:09	01/09/26 13:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/09/26 09:09	01/09/26 13:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/26 09:09	01/09/26 13:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/26 09:09	01/09/26 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	01/09/26 09:09	01/09/26 13:47	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

Client Sample ID: FS06A

Lab Sample ID: 890-9326-2

Date Collected: 01/07/26 10:42

Matrix: Solid

Date Received: 01/08/26 13:43

Sample Depth: 1 - COMP

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	01/09/26 09:09	01/09/26 13:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/09/26 13:47	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			01/12/26 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	<50.3	U	50.3	mg/Kg		01/09/26 10:24	01/12/26 18:50	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		01/09/26 10:24	01/12/26 18:50	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/09/26 10:24	01/12/26 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	01/09/26 10:24	01/12/26 18:50	1
o-Terphenyl	120		70 - 130	01/09/26 10:24	01/12/26 18:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5440		99.0	mg/Kg			01/09/26 15:54	10

Client Sample ID: FS07A

Lab Sample ID: 890-9326-3

Date Collected: 01/07/26 12:54

Matrix: Solid

Date Received: 01/08/26 13:43

Sample Depth: 1 - COMP

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 14:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 14:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 14:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/09/26 09:09	01/09/26 14:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 14:08	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/09/26 09:09	01/09/26 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	01/09/26 09:09	01/09/26 14:08	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130	01/09/26 09:09	01/09/26 14:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/09/26 14:08	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			01/12/26 19:04	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9326-1
 SDG: 07A1988214

Client Sample ID: FS07A
 Date Collected: 01/07/26 12:54
 Date Received: 01/08/26 13:43
 Sample Depth: 1 - COMP

Lab Sample ID: 890-9326-3
 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	<49.7	U	49.7	mg/Kg		01/09/26 10:24	01/12/26 19:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/09/26 10:24	01/12/26 19:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/09/26 10:24	01/12/26 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	238	S1+	70 - 130	01/09/26 10:24	01/12/26 19:04	1
o-Terphenyl	239	S1+	70 - 130	01/09/26 10:24	01/12/26 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4230		99.4	mg/Kg			01/09/26 16:09	10

Surrogate Summary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
880-66779-A-1-F MS	Matrix Spike		
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9326-1	FS03A	81	63 S1-
890-9326-2	FS06A	75	63 S1-
890-9326-3	FS07A	83	64 S1-
LCS 880-128574/1-A	Lab Control Sample	92	90
LCSD 880-128574/2-A	Lab Control Sample Dup	76	85
MB 880-128574/5-A	Method Blank	89	55 S1-
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9326-1	FS03A	123	125
890-9326-1 MS	FS03A	131 S1+	121
890-9326-1 MSD	FS03A	164 S1+	156 S1+
890-9326-2	FS06A	121	120
890-9326-3	FS07A	238 S1+	239 S1+
LCS 880-128609/2-A	Lab Control Sample	93	81
LCSD 880-128609/3-A	Lab Control Sample Dup	94	82
MB 880-128609/1-A	Method Blank	116	116
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-128574/5-A
Matrix: Solid
Analysis Batch: 128556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 128574

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 11:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 11:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/09/26 09:09	01/09/26 11:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/26 09:09	01/09/26 11:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/09/26 09:09	01/09/26 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	01/09/26 09:09	01/09/26 11:22	1
1,4-Difluorobenzene (Surr)	55	S1-	70 - 130	01/09/26 09:09	01/09/26 11:22	1

Lab Sample ID: LCS 880-128574/1-A
Matrix: Solid
Analysis Batch: 128556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09957		mg/Kg		100	70 - 130
Toluene	0.100	0.08263		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.07861		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1925		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09914		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-128574/2-A
Matrix: Solid
Analysis Batch: 128556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 128574

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08755		mg/Kg		88	70 - 130	13	35
Toluene	0.100	0.07930		mg/Kg		79	70 - 130	4	35
Ethylbenzene	0.100	0.08184		mg/Kg		82	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1639		mg/Kg		82	70 - 130	16	35
o-Xylene	0.100	0.08549		mg/Kg		85	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-66779-A-1-F MS
Matrix: Solid
Analysis Batch: 128556

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 128574

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1106		mg/Kg		-	
Toluene			0.100	0.08322		mg/Kg		-	

Eurofins Carlsbad

QC Sample Results

Client: Ensolium
 Project/Site: E L Federal #005

Job ID: 890-9326-1
 SDG: 07A1988214

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

Lab Sample ID: 880-66779-A-1-F MS
 Matrix: Solid
 Analysis Batch: 128556

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 128574

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene			0.100	0.1075		mg/Kg			-
m-Xylene & p-Xylene			0.200	0.2135		mg/Kg			-
o-Xylene			0.100	0.1105		mg/Kg			-

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

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

Lab Sample ID: MB 880-128609/1-A
 Matrix: Solid
 Analysis Batch: 128721

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 128609

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/09/26 10:24	01/12/26 15:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/09/26 10:24	01/12/26 15:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/09/26 10:24	01/12/26 15:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	01/09/26 10:24	01/12/26 15:31	1
o-Terphenyl	116		70 - 130	01/09/26 10:24	01/12/26 15:31	1

Lab Sample ID: LCS 880-128609/2-A
 Matrix: Solid
 Analysis Batch: 128721

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 128609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	945.4		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: LCSD 880-128609/3-A
 Matrix: Solid
 Analysis Batch: 128721

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 128609

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	953.1		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1039		mg/Kg		104	70 - 130	3	20

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

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

Lab Sample ID: LCSD 880-128609/3-A
Matrix: Solid
Analysis Batch: 128721

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 128609

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	94		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-9326-1 MS
Matrix: Solid
Analysis Batch: 128721

Client Sample ID: FS03A
Prep Type: Total/NA
Prep Batch: 128609

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	991	884.6		mg/Kg		89		70 - 130
Diesel Range Organics (Over C10-C28)	1080	F2 F1	991	1267	F1	mg/Kg		19		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 890-9326-1 MSD
Matrix: Solid
Analysis Batch: 128721

Client Sample ID: FS03A
Prep Type: Total/NA
Prep Batch: 128609

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	823.9		mg/Kg		82		70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1080	F2 F1	1000	1566	F2 F1	mg/Kg		49		70 - 130	21	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	164	S1+	70 - 130
o-Terphenyl	156	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-128575/1-A
Matrix: Solid
Analysis Batch: 128616

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0	mg/Kg			01/09/26 14:30		1

Lab Sample ID: LCS 880-128575/2-A
Matrix: Solid
Analysis Batch: 128616

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Chloride	250	238.8		mg/Kg		96		90 - 110

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9326-1
 SDG: 07A1988214

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-128575/3-A
 Matrix: Solid
 Analysis Batch: 128616

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	238.6		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-9326-2 MS
 Matrix: Solid
 Analysis Batch: 128616

Client Sample ID: FS06A
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5440		2480	7994		mg/Kg		103	90 - 110

Lab Sample ID: 890-9326-2 MSD
 Matrix: Solid
 Analysis Batch: 128616

Client Sample ID: FS06A
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5440		2480	7960		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

GC VOA

Analysis Batch: 128556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-1	FS03A	Total/NA	Solid	8021B	128574
890-9326-2	FS06A	Total/NA	Solid	8021B	128574
890-9326-3	FS07A	Total/NA	Solid	8021B	128574
MB 880-128574/5-A	Method Blank	Total/NA	Solid	8021B	128574
LCS 880-128574/1-A	Lab Control Sample	Total/NA	Solid	8021B	128574
LCSD 880-128574/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	128574
880-66779-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	128574

Prep Batch: 128574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-1	FS03A	Total/NA	Solid	5035	
890-9326-2	FS06A	Total/NA	Solid	5035	
890-9326-3	FS07A	Total/NA	Solid	5035	
MB 880-128574/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-128574/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-128574/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66779-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 128638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-1	FS03A	Total/NA	Solid	Total BTEX	
890-9326-2	FS06A	Total/NA	Solid	Total BTEX	
890-9326-3	FS07A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 128609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-1	FS03A	Total/NA	Solid	8015NM Prep	
890-9326-2	FS06A	Total/NA	Solid	8015NM Prep	
890-9326-3	FS07A	Total/NA	Solid	8015NM Prep	
MB 880-128609/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-128609/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-128609/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9326-1 MS	FS03A	Total/NA	Solid	8015NM Prep	
890-9326-1 MSD	FS03A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 128721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-1	FS03A	Total/NA	Solid	8015B NM	128609
890-9326-2	FS06A	Total/NA	Solid	8015B NM	128609
890-9326-3	FS07A	Total/NA	Solid	8015B NM	128609
MB 880-128609/1-A	Method Blank	Total/NA	Solid	8015B NM	128609
LCS 880-128609/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	128609
LCSD 880-128609/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	128609
890-9326-1 MS	FS03A	Total/NA	Solid	8015B NM	128609
890-9326-1 MSD	FS03A	Total/NA	Solid	8015B NM	128609

Analysis Batch: 128858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-1	FS03A	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

GC Semi VOA (Continued)

Analysis Batch: 128858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-2	FS06A	Total/NA	Solid	8015 NM	
890-9326-3	FS07A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 128575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-1	FS03A	Soluble	Solid	DI Leach	
890-9326-2	FS06A	Soluble	Solid	DI Leach	
890-9326-3	FS07A	Soluble	Solid	DI Leach	
MB 880-128575/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-128575/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-128575/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9326-2 MS	FS06A	Soluble	Solid	DI Leach	
890-9326-2 MSD	FS06A	Soluble	Solid	DI Leach	

Analysis Batch: 128616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9326-1	FS03A	Soluble	Solid	300.0	128575
890-9326-2	FS06A	Soluble	Solid	300.0	128575
890-9326-3	FS07A	Soluble	Solid	300.0	128575
MB 880-128575/1-A	Method Blank	Soluble	Solid	300.0	128575
LCS 880-128575/2-A	Lab Control Sample	Soluble	Solid	300.0	128575
LCSD 880-128575/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	128575
890-9326-2 MS	FS06A	Soluble	Solid	300.0	128575
890-9326-2 MSD	FS06A	Soluble	Solid	300.0	128575

Lab Chronicle

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9326-1
 SDG: 07A1988214

Client Sample ID: FS03A

Lab Sample ID: 890-9326-1

Date Collected: 01/07/26 10:40

Matrix: Solid

Date Received: 01/08/26 13:43

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	128574	01/09/26 09:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128556	01/09/26 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128638	01/09/26 13:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			128858	01/12/26 16:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	128609	01/09/26 10:24	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128721	01/12/26 16:13	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	128575	01/09/26 09:10	SA	EET MID
Soluble	Analysis	300.0		10			128616	01/09/26 15:49	SMC	EET MID

Client Sample ID: FS06A

Lab Sample ID: 890-9326-2

Date Collected: 01/07/26 10:42

Matrix: Solid

Date Received: 01/08/26 13:43

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	128574	01/09/26 09:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128556	01/09/26 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128638	01/09/26 13:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			128858	01/12/26 18:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	128609	01/09/26 10:24	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128721	01/12/26 18:50	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	128575	01/09/26 09:10	SA	EET MID
Soluble	Analysis	300.0		10			128616	01/09/26 15:54	SMC	EET MID

Client Sample ID: FS07A

Lab Sample ID: 890-9326-3

Date Collected: 01/07/26 12:54

Matrix: Solid

Date Received: 01/08/26 13:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	128574	01/09/26 09:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128556	01/09/26 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128638	01/09/26 14:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			128858	01/12/26 19:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	128609	01/09/26 10:24	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128721	01/12/26 19:04	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	128575	01/09/26 09:10	SA	EET MID
Soluble	Analysis	300.0		10			128616	01/09/26 16:09	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Ensolum
 Project/Site: E L Federal #005

Job ID: 890-9326-1
 SDG: 07A1988214

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: E L Federal #005

Job ID: 890-9326-1
SDG: 07A1988214

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9326-1	FS03A	Solid	01/07/26 10:40	01/08/26 13:43	1 - COMP
890-9326-2	FS06A	Solid	01/07/26 10:42	01/08/26 13:43	1 - COMP
890-9326-3	FS07A	Solid	01/07/26 12:54	01/08/26 13:43	1 - COMP

- 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
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
 Xenco



Work Order No: 9326

www.xenco.com Page of

Work Order Comments

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

Project Manager: Kara Naegeli
 Company Name: Ensolum, LLC
 Address: 3122 National Parks Hwy
 City, State ZIP: Carlsbad, NM 88220
 Phone: 512-709-2473
 Email: knaegel@ensolum.com; kjennings@ensolum.com; aferrell@ensolum.com

Bill to: (if different) Billy Ginn
 Company Name: Hilcorp
 Address:
 City, State ZIP:
 Email: knaegel@ensolum.com; kjennings@ensolum.com; aferrell@ensolum.com

Project Name: E L Federal #005
 Project Number: 07A1988214
 Project Location: 32.8192032, -103.9698116
 Sampler's Name: Alex Ferrell
 PO #:

Turn Around: Routine Rush
 Due Date: 3-Day
 TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes No Wet Ice: Yes No
 Thermometer ID: TRM007
 Cooler Custody Seals: Yes No Correction Factor: -0.2
 Sample Custody Seals: Yes No Temperature Reading: 5.2
 Total Containers: Corrected Temperature: 5.0

Barcode: 890-9326 Chain of Custody

Pres. Code:

Parameters

DI Water: H₂O
 MeOH: Me
 HNO₃: HN
 NaOH: Na

BIS
 SO₃
 NaOH: Zn
 NaOH+Ascorbic Acid: SACP

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
FS03A	Soil	1/7/2026	1040	1'	Comp	1	X TFH 8015 Chloride 4500 BTEX 8021
FS06A	Soil	1/7/2026	1042	1'	Comp	1	X
FS07A	Soil	1/7/2026	1254	1'	Comp	1	X

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	13:47 1/8/2			
		4			
		6			



Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9326-1

SDG Number: 07A1988214

Login Number: 9326

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	

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9326-1

SDG Number: 07A1988214

Login Number: 9326

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 01/09/26 08:19 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	

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



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

January 14, 2026

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

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

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: E L FEDERAL #005 Project Number: 07A1988 Project Manager: KARA NAEGELI Fax To:	Reported: 14-Jan-26 16:43
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 02A 0-1	H260185-01	Soil	12-Jan-26 10:28	13-Jan-26 14:15

01/14/26 - Client changed the sample ID (see COC). This is the revised report and will replace the one sent earlier today, 01/14/26.

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 or 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 damage 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 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: E L FEDERAL #005 Project Number: 07A1988 Project Manager: KARA NAEGELI Fax To:	Reported: 14-Jan-26 16:43
--	--	------------------------------

**SW 02A 0-1
H260185-01 (Soil)**

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

Cardinal Laboratories

Inorganic Compounds

Chloride	2440		16.0	mg/kg	4	6011335	HM	14-Jan-26	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011337	JH	13-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011337	JH	13-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011337	JH	13-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011337	JH	13-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011337	JH	13-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %		70.4-141	6011337	JH	13-Jan-26	8021B	
---------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011326	JF	13-Jan-26	8015B	
DRO >C10-C28*	53.5		10.0	mg/kg	1	6011326	JF	13-Jan-26	8015B	
EXT DRO >C28-C36	14.3		10.0	mg/kg	1	6011326	JF	13-Jan-26	8015B	

Surrogate: 1-Chlorooctane			54.0 %		52.4-130	6011326	JF	13-Jan-26	8015B	
---------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			57.5 %		39.9-141	6011326	JF	13-Jan-26	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

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 or 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 damage 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 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: E L FEDERAL #005 Project Number: 07A1988 Project Manager: KARA NAEGELI Fax To:	Reported: 14-Jan-26 16:43
--	--	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6011335 - 1:4 DI Water										
Blank (6011335-BLK1)										
Prepared & Analyzed: 14-Jan-26										
Chloride	ND	16.0	mg/kg							
LCS (6011335-BS1)										
Prepared & Analyzed: 14-Jan-26										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (6011335-BSD1)										
Prepared & Analyzed: 14-Jan-26										
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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 or 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 damage 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 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: E L FEDERAL #005 Project Number: 07A1988 Project Manager: KARA NAEGELI Fax To:	Reported: 14-Jan-26 16:43
--	--	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

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

Batch 6011337 - Volatiles

Blank (6011337-BLK1)

Prepared & Analyzed: 13-Jan-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500		100	70.4-141			

LCS (6011337-BS1)

Prepared & Analyzed: 13-Jan-26

Benzene	1.88	0.050	mg/kg	2.00		93.8	71-111			
Toluene	1.96	0.050	mg/kg	2.00		98.2	75-116			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.7	74.2-119			
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.7	72.5-123			
o-Xylene	1.99	0.050	mg/kg	2.00		99.3	70.5-124			
Total Xylenes	5.93	0.150	mg/kg	6.00		98.9	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		98.9	70.4-141			

LCS Dup (6011337-BSD1)

Prepared & Analyzed: 13-Jan-26

Benzene	1.88	0.050	mg/kg	2.00		94.0	71-111	0.214	17.6	
Toluene	1.98	0.050	mg/kg	2.00		99.2	75-116	0.989	14.8	
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	74.2-119	0.947	14.2	
m,p-Xylene	3.98	0.100	mg/kg	4.00		99.5	72.5-123	0.732	13.6	
o-Xylene	2.01	0.050	mg/kg	2.00		100	70.5-124	1.15	13.7	
Total Xylenes	5.99	0.150	mg/kg	6.00		99.8	72.2-123	0.872	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.5	70.4-141			

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 or 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 damage 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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: E L FEDERAL #005 Project Number: 07A1988 Project Manager: KARA NAEGELI Fax To:	Reported: 14-Jan-26 16:43
--	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

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

Batch 6011326 - General Prep - Organics

Blank (6011326-BLK1)			Prepared & Analyzed: 13-Jan-26							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
<i>Surrogate: 1-Chlorooctane</i>	40.4		mg/kg	50.0		80.8	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	41.1		mg/kg	50.0		82.3	39.9-141			

LCS (6011326-BS1)			Prepared & Analyzed: 13-Jan-26							
GRO C6-C10	201	10.0	mg/kg	200		101	78.7-123			
DRO >C10-C28	233	10.0	mg/kg	200		117	74.8-123			
Total TPH C6-C28	434	10.0	mg/kg	400		109	78.6-121			
<i>Surrogate: 1-Chlorooctane</i>	49.7		mg/kg	50.0		99.4	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	50.9		mg/kg	50.0		102	39.9-141			

LCS Dup (6011326-BSD1)			Prepared & Analyzed: 13-Jan-26							
GRO C6-C10	173	10.0	mg/kg	200		86.6	78.7-123	15.0	11.3	QR-04
DRO >C10-C28	203	10.0	mg/kg	200		101	74.8-123	13.9	10.9	QR-04
Total TPH C6-C28	376	10.0	mg/kg	400		94.0	78.6-121	14.4	10.5	QR-04
<i>Surrogate: 1-Chlorooctane</i>	42.5		mg/kg	50.0		84.9	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	43.7		mg/kg	50.0		87.3	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 or 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 damage 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

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

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 or 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 damage 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

Celey D. Keene, Lab Director/Quality Manager



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

January 16, 2026

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/15/2026	Sampling Date:	01/13/2026
Reported:	01/16/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: CS 10 0.25' (H260237-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2026	ND	1.84	92.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2026	ND	1.91	95.5	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/15/2026	ND	1.93	96.3	2.00	2.49	
Total Xylenes*	<0.150	0.150	01/15/2026	ND	5.72	95.3	6.00	2.56	
Total BTEX	<0.300	0.300	01/15/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	2760	16.0	01/15/2026	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2026	ND	194	96.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	01/15/2026	ND	190	94.8	200	0.447	
EXT DRO >C28-C36	<10.0	10.0	01/15/2026	ND					

Surrogate: 1-Chlorooctane 103 % 52.4-130

Surrogate: 1-Chlorooctadecane 104 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/15/2026	Sampling Date:	01/13/2026
Reported:	01/16/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 05 0-4' (H260237-02)

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	01/15/2026	ND	1.84	92.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2026	ND	1.91	95.5	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/15/2026	ND	1.93	96.3	2.00	2.49	
Total Xylenes*	<0.150	0.150	01/15/2026	ND	5.72	95.3	6.00	2.56	
Total BTEX	<0.300	0.300	01/15/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/15/2026	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2026	ND	194	96.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	01/15/2026	ND	190	94.8	200	0.447	
EXT DRO >C28-C36	<10.0	10.0	01/15/2026	ND					

Surrogate: 1-Chlorooctane 115 % 52.4-130

Surrogate: 1-Chlorooctadecane 112 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/15/2026	Sampling Date:	01/14/2026
Reported:	01/16/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 17 4' (H260237-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2026	ND	1.84	92.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2026	ND	1.91	95.5	2.00	2.53		
Ethylbenzene*	<0.050	0.050	01/15/2026	ND	1.93	96.3	2.00	2.49		
Total Xylenes*	<0.150	0.150	01/15/2026	ND	5.72	95.3	6.00	2.56		
Total BTEX	<0.300	0.300	01/15/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	7040	16.0	01/15/2026	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/15/2026	ND	194	96.8	200	1.69		
DRO >C10-C28*	<10.0	10.0	01/15/2026	ND	190	94.8	200	0.447		
EXT DRO >C28-C36	<10.0	10.0	01/15/2026	ND						

Surrogate: 1-Chlorooctane 104 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/15/2026	Sampling Date:	01/14/2026
Reported:	01/16/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 18 4' (H260237-04)

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	01/15/2026	ND	1.84	92.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2026	ND	1.91	95.5	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/15/2026	ND	1.93	96.3	2.00	2.49	
Total Xylenes*	<0.150	0.150	01/15/2026	ND	5.72	95.3	6.00	2.56	
Total BTEX	<0.300	0.300	01/15/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/15/2026	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2026	ND	194	96.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	01/15/2026	ND	190	94.8	200	0.447	
EXT DRO >C28-C36	<10.0	10.0	01/15/2026	ND					

Surrogate: 1-Chlorooctane 93.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.0 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/15/2026	Sampling Date:	01/14/2026
Reported:	01/16/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 19 4' (H260237-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2026	ND	1.84	92.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2026	ND	1.91	95.5	2.00	2.53		
Ethylbenzene*	<0.050	0.050	01/15/2026	ND	1.93	96.3	2.00	2.49		
Total Xylenes*	<0.150	0.150	01/15/2026	ND	5.72	95.3	6.00	2.56		
Total BTEX	<0.300	0.300	01/15/2026	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	01/15/2026	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/15/2026	ND	194	96.8	200	1.69		
DRO >C10-C28*	<10.0	10.0	01/15/2026	ND	190	94.8	200	0.447		
EXT DRO >C28-C36	<10.0	10.0	01/15/2026	ND						

Surrogate: 1-Chlorooctane 113 % 52.4-130

Surrogate: 1-Chlorooctadecane 111 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/15/2026	Sampling Date:	01/14/2026
Reported:	01/16/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 20 4' (H260237-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2026	ND	1.84	92.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2026	ND	1.91	95.5	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/15/2026	ND	1.93	96.3	2.00	2.49	
Total Xylenes*	<0.150	0.150	01/15/2026	ND	5.72	95.3	6.00	2.56	
Total BTEX	<0.300	0.300	01/15/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	8480	16.0	01/15/2026	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2026	ND	194	96.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	01/15/2026	ND	190	94.8	200	0.447	
EXT DRO >C28-C36	<10.0	10.0	01/15/2026	ND					

Surrogate: 1-Chlorooctane 116 % 52.4-130

Surrogate: 1-Chlorooctadecane 115 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/15/2026	Sampling Date:	01/14/2026
Reported:	01/16/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 21 4' (H260237-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2026	ND	1.84	92.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2026	ND	1.91	95.5	2.00	2.53		
Ethylbenzene*	<0.050	0.050	01/15/2026	ND	1.93	96.3	2.00	2.49		
Total Xylenes*	<0.150	0.150	01/15/2026	ND	5.72	95.3	6.00	2.56		
Total BTEX	<0.300	0.300	01/15/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	1220	16.0	01/15/2026	ND	416	104	400	7.41	QM-07	

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/15/2026	ND	194	96.8	200	1.69		
DRO >C10-C28*	<10.0	10.0	01/15/2026	ND	190	94.8	200	0.447		
EXT DRO >C28-C36	<10.0	10.0	01/15/2026	ND						

Surrogate: 1-Chlorooctane 111 % 52.4-130

Surrogate: 1-Chlorooctadecane 108 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/15/2026	Sampling Date:	01/14/2026
Reported:	01/16/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 22 4' (H260237-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2026	ND	1.84	92.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2026	ND	1.91	95.5	2.00	2.53		
Ethylbenzene*	<0.050	0.050	01/15/2026	ND	1.93	96.3	2.00	2.49		
Total Xylenes*	<0.150	0.150	01/15/2026	ND	5.72	95.3	6.00	2.56		
Total BTEX	<0.300	0.300	01/15/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	9200	16.0	01/15/2026	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/15/2026	ND	194	96.8	200	1.69		
DRO >C10-C28*	<10.0	10.0	01/15/2026	ND	190	94.8	200	0.447		
EXT DRO >C28-C36	<10.0	10.0	01/15/2026	ND						

Surrogate: 1-Chlorooctane 113 % 52.4-130

Surrogate: 1-Chlorooctadecane 112 % 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-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
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.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

January 21, 2026

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 01/20/26 12:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 23 4' (H260345-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2026	ND	2.10	105	2.00	1.73	
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13	
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81	
Total BTEX	<0.300	0.300	01/20/2026	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	928	16.0	01/21/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	200	100	200	1.61	
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	188	94.2	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND					

Surrogate: 1-Chlorooctane 94.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.4 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 24 4' (H260345-02)

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	01/20/2026	ND	2.10	105	2.00	1.73		
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13		
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27		
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81		
Total BTEX	<0.300	0.300	01/20/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	6160	16.0	01/21/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	200	100	200	1.61		
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	188	94.2	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND						

Surrogate: 1-Chlorooctane 94.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.5 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 25 4' (H260345-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/20/2026	ND	2.10	105	2.00	1.73		
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13		
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27		
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81		
Total BTEX	<0.300	0.300	01/20/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	3840	16.0	01/21/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	200	100	200	1.61		
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	188	94.2	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND						

Surrogate: 1-Chlorooctane 93.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.4 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 26 4' (H260345-04)

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	01/20/2026	ND	2.10	105	2.00	1.73		
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13		
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27		
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81		
Total BTEX	<0.300	0.300	01/20/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	3040	16.0	01/21/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	200	100	200	1.61		
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	188	94.2	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND						

Surrogate: 1-Chlorooctane 95.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.0 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 27 4' (H260345-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/20/2026	ND	2.10	105	2.00	1.73		
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13		
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27		
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81		
Total BTEX	<0.300	0.300	01/20/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1760	16.0	01/21/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	200	100	200	1.61		
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	188	94.2	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND						

Surrogate: 1-Chlorooctane 95.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.4 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 28 4' (H260345-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2026	ND	2.10	105	2.00	1.73	
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13	
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81	
Total BTEX	<0.300	0.300	01/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	4760	16.0	01/21/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	197	98.7	200	2.38	
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	183	91.6	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND					

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 110 % 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.

Celey D. Keene, Lab Director/Quality Manager



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

1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Kara Naegeli
 Address: 3122 National Parks Hwy.
 City: Carlsbad State: NM zip: 88220
 Phone #: 512-709-2473 Fax #:
 Project #: 07A198824 Project Owner: Hilcorp
 Project Name: E L Federal #005
 Project Location: Eddy County, NM
 Sampler Name: Steve Krooks
 P.O. #: Company: Hilcorp
 Attn: Billy Ginn
 Address: City: State: Zip: Phone #: Fax #:

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				ACID/BASE:
H140345	FS23	4'	C	1			X				11/9/26	12:43	BTX 8021	
	FS24	4'										12:46	TPH 8015	
	FS25	4'										12:49	Chloride 4500	
	FS26	4'										12:52		
	FS27	4'										13:53		
	FS28	4'										13:55		

CS 10403401K

NFE 805 11/9/26

PLEASE NOTE: Liability and Damages: Cardinal's liability and clients' exclusive remedy for any claim arising from this 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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *Mike Burr*
 Date: 1/20/26
 Time: 1:55
 Received By: *Shadrignon*
 Date: 1/20/26
 Time: 1:55

Delivered By: (Circle One) Observed Temp. °C: 48: Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: 49: Yes No
 Checked By: *SR*
 Turnaround Time: 74h Standard Rush
 Thermometer ID: #14012
 Correction Factor: *0.12*
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: Yes No

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

January 21, 2026

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 01/20/26 12:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/20/2026	Sampling Date:	01/19/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 29 4 (H260346-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2026	ND	2.10	105	2.00	1.73	
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13	
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81	
Total BTEX	<0.300	0.300	01/20/2026	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	3600	16.0	01/20/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	197	98.7	200	2.38	
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	183	91.6	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND					

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 108 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/20/2026	Sampling Date:	01/19/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 30 4 (H260346-02)

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	01/20/2026	ND	2.10	105	2.00	1.73		
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13		
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27		
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81		
Total BTEX	<0.300	0.300	01/20/2026	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	2210	16.0	01/20/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	197	98.7	200	2.38		
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	183	91.6	200	2.26		
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND						

Surrogate: 1-Chlorooctane 107 % 52.4-130

Surrogate: 1-Chlorooctadecane 106 % 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.

Celey D. Keene, Lab Director/Quality Manager



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

1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Kara Naegel
 Address: 3122 National Parks Hwy.
 City: Carlsbad State: NM zip: 88220
 Phone #: 512-709-2473 Fax #: 512-709-2473
 Project #: D741988214 Project Owner: Hilcorp
 Project Name: E L Federal #005
 Project Location: Eddy County, NM
 Sampler Name: Steve Knobs
 P.O. #: _____ Company: Hilcorp
 Attn: Billy Ginn
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	Depth (feet)	PRESERV.		DATE	TIME	ANALYSIS REQUEST		
			ICE / COOL	OTHER			DATE	TIME	ANALYSIS
H400316	FS29	4'	X		1/19/26	12:25	X	X	BTEX 8021
	FS30	4'	X		1/19/26	12:20	X	X	TPH 8015
									Chloride 4500

PLEASE NOTE: Liability and Damages: Cardenal'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 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 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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Mike Burr
 Date: 1/20/26
 Time: pass
 Received By: Speedrigging
 Date: _____
 Time: _____

Delivered By: (Circle One) UPS - Bus - Other: _____
 Observed Temp. °C: 4.8
 Corrected Temp. °C: 4.9
 Sample Condition: Cool Intact
 Checked By: SE
 Turnaround Time: 24 hrs
 Standard Rush
 Bacteria (only) Sample Condition: Cool Intact
 Incident: Yes No Corrected Temp. °C: _____

CS 40402401K
 NFI 88 1/19/26

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



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

January 23, 2026

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 01/22/26 12:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/22/2026	Sampling Date:	01/20/2026
Reported:	01/23/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 03 B 1.5' (H260414-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/22/2026	ND	1.92	96.1	2.00	3.51	
Toluene*	<0.050	0.050	01/22/2026	ND	1.92	96.0	2.00	8.87	
Ethylbenzene*	<0.050	0.050	01/22/2026	ND	1.97	98.6	2.00	8.12	
Total Xylenes*	<0.150	0.150	01/22/2026	ND	6.08	101	6.00	7.77	
Total BTEX	<0.300	0.300	01/22/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	11900	16.0	01/23/2026	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2026	ND	208	104	200	0.859	
DRO >C10-C28*	<10.0	10.0	01/22/2026	ND	199	99.3	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/22/2026	ND					

Surrogate: 1-Chlorooctane 94.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.2 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/22/2026	Sampling Date:	01/21/2026
Reported:	01/23/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 31 4' (H260414-02)

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	01/22/2026	ND	1.92	96.1	2.00	3.51		
Toluene*	<0.050	0.050	01/22/2026	ND	1.92	96.0	2.00	8.87		
Ethylbenzene*	<0.050	0.050	01/22/2026	ND	1.97	98.6	2.00	8.12		
Total Xylenes*	<0.150	0.150	01/22/2026	ND	6.08	101	6.00	7.77		
Total BTEX	<0.300	0.300	01/22/2026	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	160	16.0	01/23/2026	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/22/2026	ND	208	104	200	0.859		
DRO >C10-C28*	<10.0	10.0	01/22/2026	ND	199	99.3	200	4.31		
EXT DRO >C28-C36	<10.0	10.0	01/22/2026	ND						

Surrogate: 1-Chlorooctane 92.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.4 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/22/2026	Sampling Date:	01/21/2026
Reported:	01/23/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 32 4' (H260414-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2026	ND	1.92	96.1	2.00	3.51		
Toluene*	<0.050	0.050	01/22/2026	ND	1.92	96.0	2.00	8.87		
Ethylbenzene*	<0.050	0.050	01/22/2026	ND	1.97	98.6	2.00	8.12		
Total Xylenes*	<0.150	0.150	01/22/2026	ND	6.08	101	6.00	7.77		
Total BTEX	<0.300	0.300	01/22/2026	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/23/2026	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/22/2026	ND	208	104	200	0.859		
DRO >C10-C28*	<10.0	10.0	01/22/2026	ND	199	99.3	200	4.31		
EXT DRO >C28-C36	<10.0	10.0	01/22/2026	ND						

Surrogate: 1-Chlorooctane 92.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.8 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/22/2026	Sampling Date:	01/21/2026
Reported:	01/23/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 08 0-4 (H260414-04)

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	01/22/2026	ND	1.92	96.1	2.00	3.51	
Toluene*	<0.050	0.050	01/22/2026	ND	1.92	96.0	2.00	8.87	
Ethylbenzene*	<0.050	0.050	01/22/2026	ND	1.97	98.6	2.00	8.12	
Total Xylenes*	<0.150	0.150	01/22/2026	ND	6.08	101	6.00	7.77	
Total BTEX	<0.300	0.300	01/22/2026	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	16.0	16.0	01/23/2026	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2026	ND	208	104	200	0.859	
DRO >C10-C28*	<10.0	10.0	01/22/2026	ND	199	99.3	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/22/2026	ND					

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 114 % 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

- 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.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476
Company Name: Ensolum, LLC

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

BILL TO

ANALYSIS REQUEST

Project Manager: Kara Naegele
Address: 3122 National Parks Hwy.
City: Carlsbad
Phone #: 512-709-2473 State: NM Zip: 88220
Project #: 07A198824 Fax #: 512-709-2473
Project Name: E L Federal #005 Project Owner: Hilcorp
Project Location: Eddy County, NM
Sampler Name: Steve Brooks

P.O. #:
Company: Hilcorp
Attn: Billy Ginn
Address:
City:
State: Zip:
Phone #:
Fax #:

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

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERVY	SAMPLING DATE	TIME	ANALYSIS
FS03B	FS03B	1.5'	C	1	SOIL	X	1/20/26	14:15	X BTEX 8021
FS81	FS81	4'	C	1	SOIL	X	1/20/26	12:17	X TPH 8015
FS32	FS32	4'	C	1	SOIL	X	1/21/26	12:14	X Chloride 4500
SN08	SN08	0-4'	C	1	SOIL	X	09:53		

PLEASE NOTE: Liability and Damages: Cardinal's liability and clients' exclusive remedy for any claim arising under this contract or bill, shall be limited to the amount paid by the client for the service. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business 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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Steve Brooks
Received By: Steve Brooks
Date: 1/21/26
Time: 09:53
NFFE SR 1/21/26

Relinquished By: Steve Brooks
Received By: Steve Brooks
Date: 1/21/26
Time: 09:53
Observed Temp. °C: 4.4
Corrected Temp. °C: 4.5
Sample Condition: Cool Intact Yes
Checked By: SR

Turnaround Time: Standard
Thermometer ID: 214
Correction Factor: -0.1
Bacteria (only) Sample Condition: Cool Intact Yes
Corrected Temp. °C: 4.5

FORM 006 R 3.2 10/07/21
Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinallabsnm.com



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

January 26, 2026

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 01/23/26 12:29.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/23/2026	Sampling Date:	01/22/2026
Reported:	01/26/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 33 4' (H260467-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2026	ND	1.96	98.1	2.00	3.76	
Toluene*	<0.050	0.050	01/23/2026	ND	2.06	103	2.00	3.20	
Ethylbenzene*	<0.050	0.050	01/23/2026	ND	2.06	103	2.00	2.17	
Total Xylenes*	<0.150	0.150	01/23/2026	ND	6.18	103	6.00	2.72	
Total BTEX	<0.300	0.300	01/23/2026	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	01/26/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2026	ND	221	111	200	0.596	
DRO >C10-C28*	<10.0	10.0	01/24/2026	ND	214	107	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	01/24/2026	ND					

Surrogate: 1-Chlorooctane 103 % 52.4-130

Surrogate: 1-Chlorooctadecane 108 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/23/2026	Sampling Date:	01/22/2026
Reported:	01/26/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 34 4' (H260467-02)

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	01/23/2026	ND	1.96	98.1	2.00	3.76		
Toluene*	<0.050	0.050	01/23/2026	ND	2.06	103	2.00	3.20		
Ethylbenzene*	<0.050	0.050	01/23/2026	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	01/23/2026	ND	6.18	103	6.00	2.72		
Total BTEX	<0.300	0.300	01/23/2026	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	01/26/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/24/2026	ND	221	111	200	0.596		
DRO >C10-C28*	<10.0	10.0	01/24/2026	ND	214	107	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	01/24/2026	ND						

Surrogate: 1-Chlorooctane 103 % 52.4-130

Surrogate: 1-Chlorooctadecane 106 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/23/2026	Sampling Date:	01/22/2026
Reported:	01/26/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 35 4' (H260467-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2026	ND	1.96	98.1	2.00	3.76	
Toluene*	<0.050	0.050	01/23/2026	ND	2.06	103	2.00	3.20	
Ethylbenzene*	<0.050	0.050	01/23/2026	ND	2.06	103	2.00	2.17	
Total Xylenes*	<0.150	0.150	01/23/2026	ND	6.18	103	6.00	2.72	
Total BTEX	<0.300	0.300	01/23/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	01/26/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2026	ND	221	111	200	0.596	
DRO >C10-C28*	<10.0	10.0	01/24/2026	ND	214	107	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	01/24/2026	ND					

Surrogate: 1-Chlorooctane 107 % 52.4-130

Surrogate: 1-Chlorooctadecane 110 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	01/23/2026	Sampling Date:	01/22/2026
Reported:	01/26/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 36 4' (H260467-04)

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	01/23/2026	ND	1.96	98.1	2.00	3.76	
Toluene*	<0.050	0.050	01/23/2026	ND	2.06	103	2.00	3.20	
Ethylbenzene*	<0.050	0.050	01/23/2026	ND	2.06	103	2.00	2.17	
Total Xylenes*	<0.150	0.150	01/23/2026	ND	6.18	103	6.00	2.72	
Total BTEX	<0.300	0.300	01/23/2026	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	01/26/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2026	ND	221	111	200	0.596	
DRO >C10-C28*	<10.0	10.0	01/24/2026	ND	214	107	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	01/24/2026	ND					

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 109 % 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.
- 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.

Celey D. Keene, Lab Director/Quality Manager



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

February 05, 2026

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 02/04/26 16:43.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/04/2026	Sampling Date:	02/03/2026
Reported:	02/05/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 37 4' (H260642-01)

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	02/05/2026	ND	2.19	109	2.00	3.05	
Toluene*	<0.050	0.050	02/05/2026	ND	2.15	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.10	105	2.00	0.465	
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.23	104	6.00	0.667	
Total BTEX	<0.300	0.300	02/05/2026	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/05/2026	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	02/04/2026	ND	201	100	200	1.70	
DRO >C10-C28*	<10.0	10.0	02/04/2026	ND	202	101	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	02/04/2026	ND					

Surrogate: 1-Chlorooctane 114 % 52.4-130

Surrogate: 1-Chlorooctadecane 122 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/04/2026	Sampling Date:	02/03/2026
Reported:	02/05/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 07 0-4' (H260642-02)

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	02/05/2026	ND	2.19	109	2.00	3.05		
Toluene*	<0.050	0.050	02/05/2026	ND	2.15	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.10	105	2.00	0.465		
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.23	104	6.00	0.667		
Total BTEX	<0.300	0.300	02/05/2026	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/05/2026	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	02/04/2026	ND	201	100	200	1.70		
DRO >C10-C28*	<10.0	10.0	02/04/2026	ND	202	101	200	0.639		
EXT DRO >C28-C36	<10.0	10.0	02/04/2026	ND						

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 115 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/04/2026	Sampling Date:	02/04/2026
Reported:	02/05/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 04 0-4' (H260642-03)

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	02/05/2026	ND	2.19	109	2.00	3.05	
Toluene*	<0.050	0.050	02/05/2026	ND	2.15	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.10	105	2.00	0.465	
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.23	104	6.00	0.667	
Total BTEX	<0.300	0.300	02/05/2026	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/05/2026	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	02/05/2026	ND	201	100	200	1.70	
DRO >C10-C28*	<10.0	10.0	02/05/2026	ND	202	101	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	02/05/2026	ND					

Surrogate: 1-Chlorooctane 108 % 52.4-130

Surrogate: 1-Chlorooctadecane 111 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/04/2026	Sampling Date:	02/04/2026
Reported:	02/05/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 40 4' (H260642-04)

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	02/05/2026	ND	2.19	109	2.00	3.05	
Toluene*	<0.050	0.050	02/05/2026	ND	2.15	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.10	105	2.00	0.465	
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.23	104	6.00	0.667	
Total BTEX	<0.300	0.300	02/05/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1140	16.0	02/05/2026	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	02/05/2026	ND	201	100	200	1.70	
DRO >C10-C28*	<10.0	10.0	02/05/2026	ND	202	101	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	02/05/2026	ND					

Surrogate: 1-Chlorooctane 120 % 52.4-130

Surrogate: 1-Chlorooctadecane 124 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/04/2026	Sampling Date:	02/04/2026
Reported:	02/05/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 41 4' (H260642-05)

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	02/05/2026	ND	2.19	109	2.00	3.05	
Toluene*	<0.050	0.050	02/05/2026	ND	2.15	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.10	105	2.00	0.465	
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.23	104	6.00	0.667	
Total BTEX	<0.300	0.300	02/05/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	2880	16.0	02/05/2026	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	02/05/2026	ND	201	100	200	1.70	
DRO >C10-C28*	<10.0	10.0	02/05/2026	ND	202	101	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	02/05/2026	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 109 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/04/2026	Sampling Date:	02/04/2026
Reported:	02/05/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 42 4' (H260642-06)

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	02/05/2026	ND	2.19	109	2.00	3.05	
Toluene*	<0.050	0.050	02/05/2026	ND	2.15	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.10	105	2.00	0.465	
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.23	104	6.00	0.667	
Total BTEX	<0.300	0.300	02/05/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	176	16.0	02/05/2026	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	02/05/2026	ND	201	100	200	1.70	
DRO >C10-C28*	<10.0	10.0	02/05/2026	ND	202	101	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	02/05/2026	ND					

Surrogate: 1-Chlorooctane 111 % 52.4-130

Surrogate: 1-Chlorooctadecane 114 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/04/2026	Sampling Date:	02/04/2026
Reported:	02/05/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Alyssa Parras
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 06 0-4' (H260642-07)

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	02/05/2026	ND	2.19	109	2.00	3.05	
Toluene*	<0.050	0.050	02/05/2026	ND	2.15	107	2.00	3.49	
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.10	105	2.00	0.465	
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.23	104	6.00	0.667	
Total BTEX	<0.300	0.300	02/05/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	320	16.0	02/05/2026	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	02/05/2026	ND	201	100	200	1.70	
DRO >C10-C28*	59.2	10.0	02/05/2026	ND	202	101	200	0.639	
EXT DRO >C28-C36	52.6	10.0	02/05/2026	ND					

Surrogate: 1-Chlorooctane 114 % 52.4-130

Surrogate: 1-Chlorooctadecane 119 % 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.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: <u>Ensolium LLC</u> Project Manager: <u>Lara Naegeli</u> Address: <u>3122 National Parks Hwy</u> City: <u>Catsbad</u> State: <u>NM</u> zip: <u>88220</u> Phone #: <u>512-709-2473</u> Fax #: _____ Project #: <u>0241988214</u> Project Owner: _____ Project Name: <u>E L Federal</u> Project Location: <u>Eddy County, NM</u> Sampler Name: <u>Sheple Brooks</u>		P.O. #: _____ Company: <u>Alcorp</u> Attn: <u>Billy Ginn</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. <u>H000012</u>		Sample I.D. <u>FS33</u> <u>SW07</u> <u>SW04</u> <u>FS40</u> <u>FS41</u> <u>FS42</u> <u>SW06</u>	
Sample Depth <u>4'</u> <u>0-4'</u> <u>0-4'</u> <u>4'</u> <u>4'</u> <u>4'</u> <u>0-4'</u>		(G)RAB OR (C)OMP. <u>C</u> # CONTAINERS <u>1</u> GROUNDWATER _____ WASTEWATER _____ SOIL <u>X</u> OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____	
MATRIX SOIL <u>X</u> OIL _____ SLUDGE _____ OTHER: _____		PRESERV. _____ DATE <u>2/3/26</u> TIME <u>10:32</u> DATE <u>2/4/26</u> TIME <u>10:11</u> DATE <u>12:55</u> TIME <u>12:55</u> DATE <u>12:57</u> TIME <u>12:50</u> DATE <u>12:53</u> TIME <u>12:53</u> DATE <u>14:51</u> TIME <u>14:51</u>	
CHECKED BY: <u>AB</u>		ANALYSIS REQUEST <u>BTEX 802</u> <u>TAH 805</u> <u>Chloride 4500</u> <u>NFE 88 2/4/26</u>	

PLEASE NOTE: Liability and Damages: Cardinal's liability and claims are excluded entirely for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the 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 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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Sheple Brooks Date: 2-4-26 Time: 10:43
 Received By: AB Date: _____ Time: _____
 Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: lkeene@ensolium.com, sheple@ensolium.com
 REMARKS: Knaegeli@ensolium.com, sheple@ensolium.com
kyennings@ensolium.com

Delivered By: (Circle One) UPS Bus Other: _____
 Observed Temp. °C 10.0 Corrected Temp. °C 11.0
 Sample Condition: Cool Intact Bacteria (only) Sample Condition Cool Intact Observed Temp. °C _____ Corrected Temp. °C _____

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



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

February 06, 2026

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: E L FEDERAL #005

Enclosed are the results of analyses for samples received by the laboratory on 02/05/26 12:51.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/05/2026	Sampling Date:	02/05/2026
Reported:	02/06/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 38 4' (H260671-01)

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	02/05/2026	ND	2.40	120	2.00	2.92	
Toluene*	<0.050	0.050	02/05/2026	ND	2.27	114	2.00	2.79	
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.31	116	2.00	3.52	
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.93	116	6.00	4.43	
Total BTEX	<0.300	0.300	02/05/2026	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	3480	16.0	02/06/2026	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	02/06/2026	ND	198	98.8	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/06/2026	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane 87.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.3 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/05/2026	Sampling Date:	02/05/2026
Reported:	02/06/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: FS 39 4' (H260671-02)

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	02/05/2026	ND	2.40	120	2.00	2.92		
Toluene*	<0.050	0.050	02/05/2026	ND	2.27	114	2.00	2.79		
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.31	116	2.00	3.52		
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.93	116	6.00	4.43		
Total BTEX	<0.300	0.300	02/05/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	144	16.0	02/06/2026	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	02/06/2026	ND	198	98.8	200	1.21		
DRO >C10-C28*	<10.0	10.0	02/06/2026	ND	201	100	200	1.58		
EXT DRO >C28-C36	<10.0	10.0	02/06/2026	ND						

Surrogate: 1-Chlorooctane 77.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.6 % 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
 KARA NAEGELI
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/05/2026	Sampling Date:	02/05/2026
Reported:	02/06/2026	Sampling Type:	Soil
Project Name:	E L FEDERAL #005	Sampling Condition:	Cool & Intact
Project Number:	07A1988214	Sample Received By:	Shalyn Rodriguez
Project Location:	HILCORP 32.8192032-103.9698116		

Sample ID: SW 09 0-4' (H260671-03)

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	02/05/2026	ND	2.40	120	2.00	2.92	
Toluene*	<0.050	0.050	02/05/2026	ND	2.27	114	2.00	2.79	
Ethylbenzene*	<0.050	0.050	02/05/2026	ND	2.31	116	2.00	3.52	
Total Xylenes*	<0.150	0.150	02/05/2026	ND	6.93	116	6.00	4.43	
Total BTEX	<0.300	0.300	02/05/2026	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	32.0	16.0	02/06/2026	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	02/06/2026	ND	198	98.8	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/06/2026	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane 82.4 % 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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

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 556424

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 556424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2514741238
Incident Name	NAPP2514741238 E.L. FEDERAL NO. 5 PRODUCTION FACILITY @ 30-015-30259
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-30259] E L FEDERAL #005

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	E.L. FEDERAL NO. 5 PRODUCTION FACILITY
Date Release Discovered	05/25/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 20 BBL Recovered: 18 BBL Lost: 2 BBL.
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)	Nature and Cause of Event: The primary cause of the leak was due a compromised poly line. Environmental Impact: The compromised poly line resulted in 15 bbls of produced water within secondary containment and 5 bbls outside secondary containment.

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 556424

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 556424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 02/20/2026
--	--

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 556424

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 556424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Zero feet, overlying, or within area
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	17000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2480
GRO+DRO (EPA SW-846 Method 8015M)	2023
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	12/01/2025
On what date will (or did) the final sampling or liner inspection occur	02/05/2026
On what date will (or was) the remediation complete(d)	02/05/2026
What is the estimated surface area (in square feet) that will be reclaimed	17307
What is the estimated volume (in cubic yards) that will be reclaimed	2148
What is the estimated surface area (in square feet) that will be remediated	17307
What is the estimated volume (in cubic yards) that will be remediated	2148

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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 556424

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 556424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 02/20/2026
--	--

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

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 556424

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 556424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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 556424

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 556424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	550003
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2026
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	17306

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	17307
What was the total volume (cubic yards) remediated	2148
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	17307
What was the total volume (in cubic yards) reclaimed	2148

Summarize any additional remediation activities not included by answers (above)	Site assessment, soil sampling, and excavation activities were conducted at the Site to assess the release of produced water on May 25, 2025. Laboratory analytical results for all final soil samples collected within and around the release extent indicated that all COC concentrations were compliant with the Site Closure Criteria after excavation. Based on laboratory analytical results, no further remediation is required at this time. Hilcorp will backfill the excavation with material sourced locally and recontour the Site to match pre-existing site conditions. Excavation of impacted soil has mitigated impacts at this Site, and these remedial actions have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure Incident Number nAPP2514741238.
---	---

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: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 02/20/2026
--	--

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 556424

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 556424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	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 556424

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 556424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	4/22/2026