



June 25, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
Corona SWD Line
Incident Number nAPP2503151234
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Mewbourne Oil Company (Mewbourne), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Corona SWD Line (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of produced water into the pasture. Based on field observations, field screening activities, and soil sample laboratory analytical results, Mewbourne is submitting this *Closure Request*, describing Site assessment and excavation activities that have occurred and requesting no further action for Incident Number nAPP2503151234.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit E Section 30, Township 18 South, Range 31 East, in Eddy County, New Mexico (32.7118°, -103.91661°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On January 16, 2025, a vehicle line strike resulted in the release of 32 barrels (bbls) of produced water into the surrounding pasture. No free-standing fluids were recovered. Mewbourne reported the release to the New Mexico Oil Conservation Division (NMOCD) on January 31, 2025. The release was assigned Incident Number nAPP2503151234.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to 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 are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) permitted well USGS 324241103561201, located approximately 1.2 miles west of the Site. The groundwater well has a reported depth to groundwater of

204 feet bgs and a total depth of 230 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1 and the associated well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a river, located approximately 0.8 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, or church. 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 potentially underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

CULTURAL PROPERTIES PROTECTION ASSESSMENT

The release occurred within the pasture within a dry wash. As a stipulation of excavation within the pasture area, BLM required a cultural resources survey to be completed. As such, a New Mexico Cultural Resource Information System (NMCRIIS) investigation and pedestrian survey were completed at the Site. No cultural resources were identified within or around the release extent and disturbance areas. Completion of the NMCRIIS investigation and pedestrian survey have complied with the BLM requirement. A NMCRIIS Investigation Abstract Form (NIAF) is attached as Appendix B.

BIOLOGICAL COMPLIANCE AND REPORTING

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and/or sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils. Below is a summary of the desktop findings:

- No environmentally sensitive receptors were located near the Site as mentioned in the Site Characterization with the exception of potential unstable geology.
- The soil type is classified as Simona-Bippus complex according to the Web Soil Survey. Simona-Bippus complex is not considered a sensitive soil by the BLM definition.

SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On February 6, 2025, and March 10, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Six assessment soil samples (SS01 through SS06) were collected within the release extent ranging depths between 0.5 feet to 3 feet bgs to assess for the presence or absence of impacted soil. Eight delineation soil samples (SS07 through SS14) were collected around the release extent at a depth of 0.5 feet bgs to confirm the lateral extent of the release. The assessment soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride

QuanTab® test strips, respectively. Field screening results and observations from each borehole were documented on a lithologic/soil sampling log, which is included in Appendix C. 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 is included in Appendix D.

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

Laboratory analytical results for assessment soil samples SS01 through SS06 indicated chloride concentrations exceeding the Closure Criteria at depths ranging between 0.5 feet to 2 feet bgs. Terminal sample depths for assessment soil samples SS02, SS03, and SS04, collected at 2 feet and 3 feet bgs, indicated all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results for assessment soil samples SS07 through SS14 indicated all COC concentrations were compliant with the Closure Criteria 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, excavation activities were warranted.

EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between May 2025 and June 2025, Ensolum personnel were at the Site to oversee excavation activities as indicated by visible staining, field screening activities, and laboratory analytical results from the assessment soil samples. Excavation activities were performed via backhoe, track hoe, hydrovac, and transport vehicles to a maximum depth of 3 feet bgs.

To direct excavation activities, Ensolum personnel screened soil for VOCs and chloride. Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor and sidewalls of the excavation and from the surface of the release extent initially in compliance with the Site Closure Criteria. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation soil samples FS01 through FS28 were collected from the floor of the excavation at depths ranging from 0.5 feet to 3 feet bgs. Excavation sidewall soil samples SW01 through SW09 were collected from the sidewalls of the excavation at depths ranging from ground surface to 3 feet bgs. The composite soil samples were collected, handled, and analyzed following the same procedures as described above. The release extent, excavation extent, and composite soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 5,680 square feet. A total of approximately 642 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported from the Site to a Flatland facility in Texas. After completion of composite sampling, the excavation area was secured with fencing.

Laboratory analytical results for the excavation floor samples FS01 through FS28 and excavation sidewall samples SW01 through SW09, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Based on laboratory analytical results, no

further excavation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix E.

RECLAMATION PLAN

The Site will be backfilled with locally procured sandy topsoil, consistent with the surrounding native soil type, and recontoured to match pre-existing conditions. One representative 5-point composite soil sample will be collected from the backfill material to confirm compliance with the NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg.

The reclaimed area will be seeded during the Summer/Fall of 2025 or Spring of 2026, when temperatures and precipitation are more conducive to vegetation growth. The area will be seeded with the below BLM seed mix #1 for loamy sites at a rate specified in pounds of pure live seed (PSL) per acre.

Species/Cultivar	PLS/Acre
Plains lovegrass (<i>Eragrostis intermedia</i>)	0.5
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sideoats grama (<i>Bouteloua curtipendula</i>)	5.0
Plains bristleglass (<i>Setaria macrostachya</i>)	2.0

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled, and the seed will be raked in by chaining or dragging the Site.

The Site will be monitored for vegetation growth to verify that reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Erosion control of the newly reclaimed areas includes prompt revegetation and contouring of the surface to prevent concentrated surface water flow.
- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the approved seed mix(es) will be applied.
- Noxious and invasive weeds will be identified and treated by a licensed contracted herbicide applicator or mechanically removed.

A *Re-vegetation Report* will be submitted to the NMOCD and BLM once vegetation growth in the reclaimed excavation area has a uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the January 16, 2025, release of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and the only sensitive receptor identified via desktop review with regards

Mewbourne Oil Company
Closure Request
Corona SWD Line



to the Site was potentially unstable geology (medium karst potential); however, unstable geology was not observed during the remedial actions taken at the Site. Mewbourne believes these remedial actions are protective of human health, the environment, and groundwater. As such, Mewbourne respectfully requests closure for Incident Number nAPP2503151234.

If you have any questions or comments, please contact Mr. Daniel R. Moir at (303) 887-2946 or dmoir@ensolum.com.

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Tabitha".

Tabitha Guadian
Staff Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

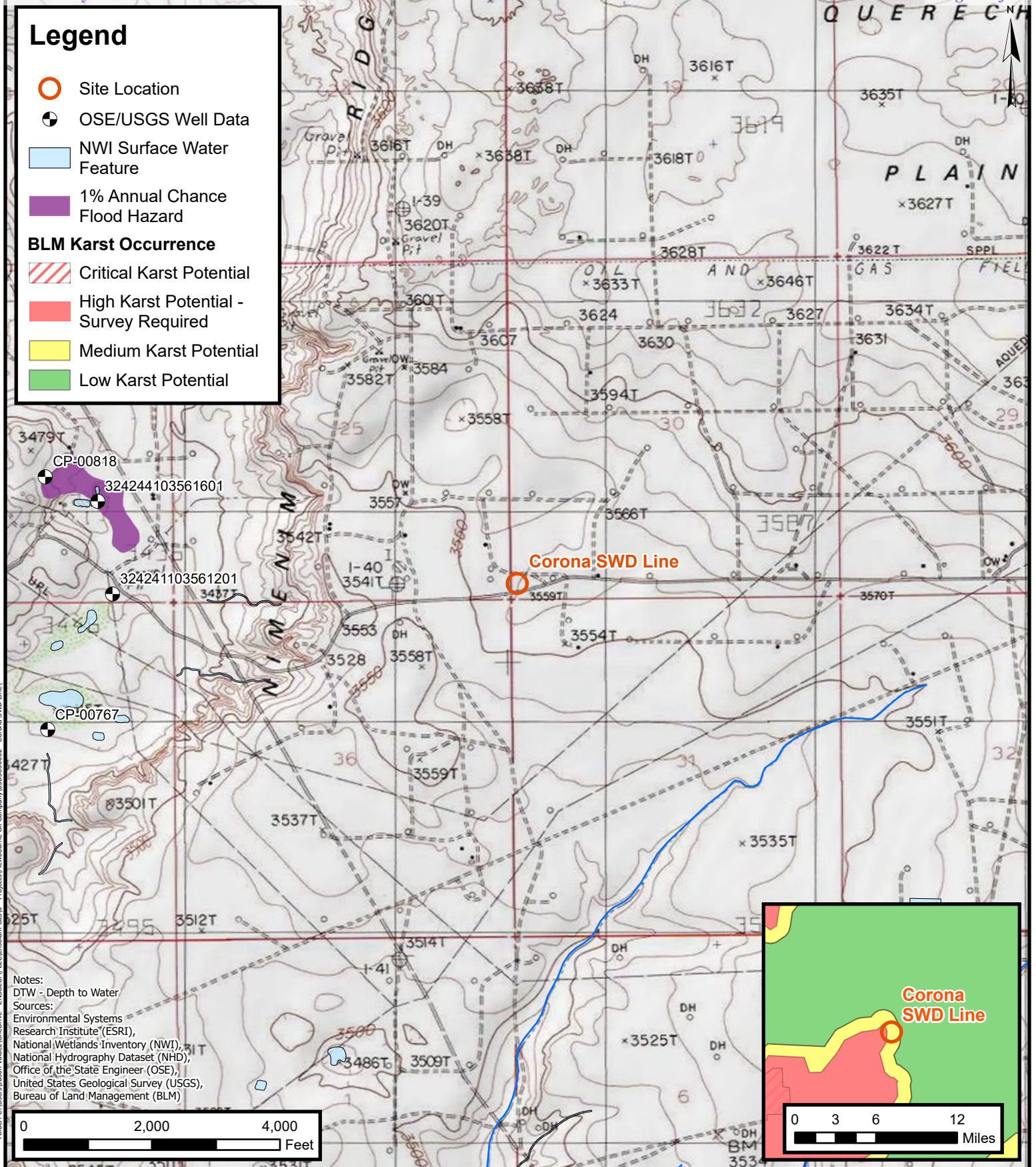
cc: Connor Walker, Mewbourne Oil Company
John Hall, Flatland Energy Services, LLC
Bureau of Land Management

Appendices:

Figure 1	Site Receptor Map
Figure 2	Assessment Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	NMCRIS Investigation Abstract Form
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Photographic Log
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	NMOCD Correspondence



FIGURES

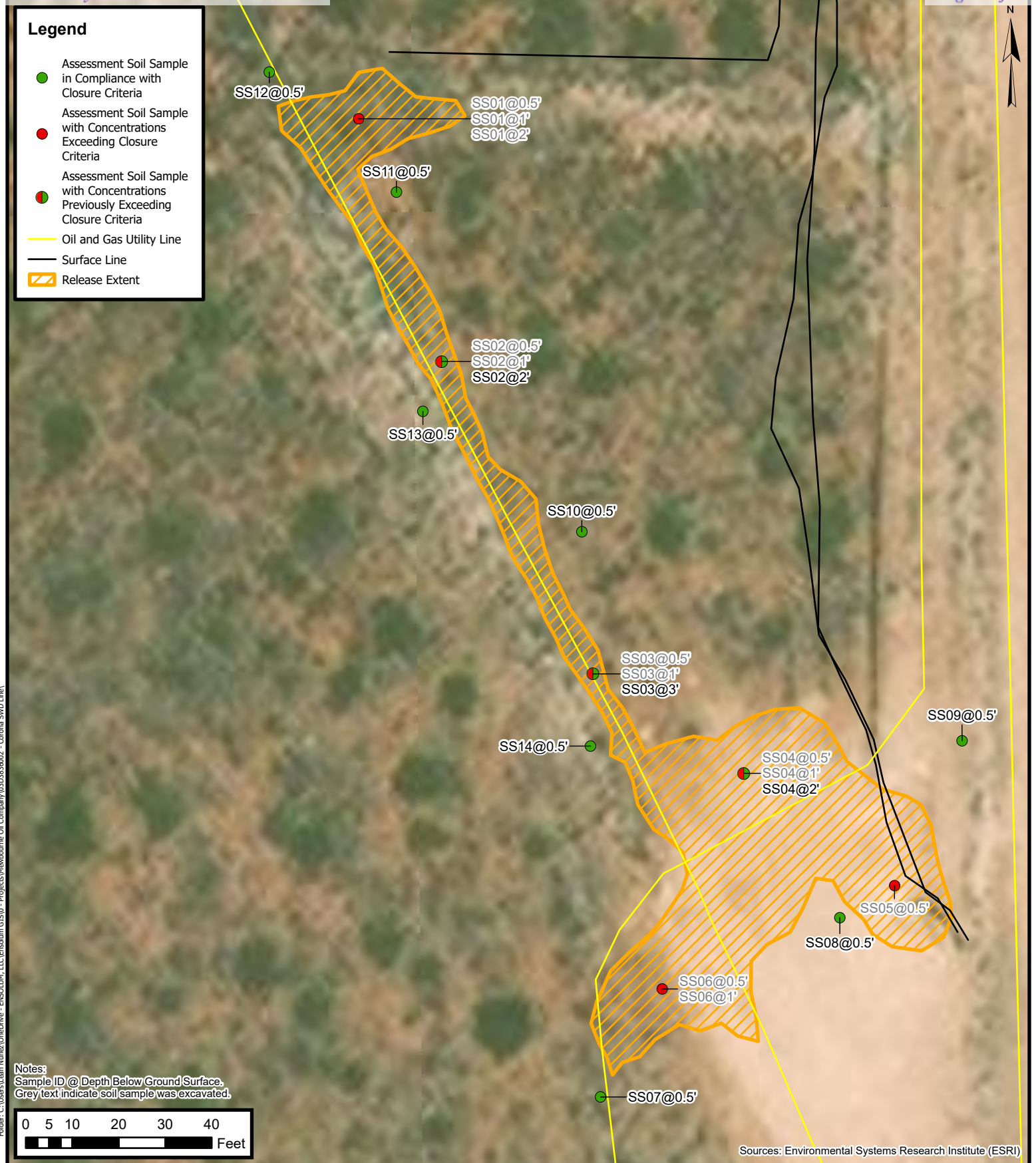


Site Receptor Map

Mewbourne Oil Company
Corona SWD Line
Incident Number: nAPP2503151234
Unit E, Section 30, T 18S, R 31E
Eddy County, New Mexico

FIGURE

1

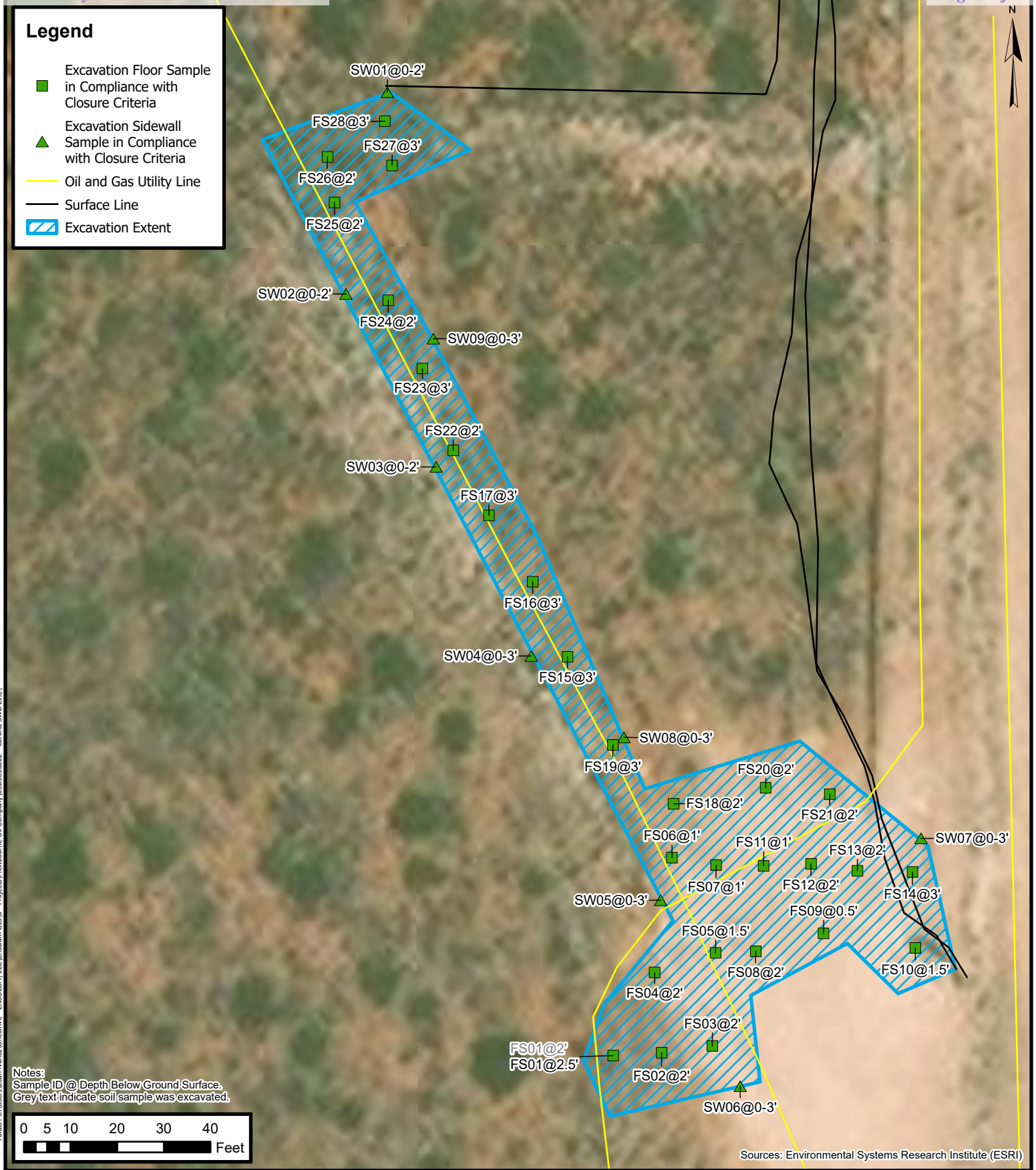


Assessment Soil Sample Locations

Mewbourne Oil Company
 Corona SWD Line
 Incident Number: nAPP2503151234
 Unit E, Section 30, T 18S, R 31E
 Eddy County, New Mexico

FIGURE

2



Excavation Soil Sample Locations

Mewbourne Oil Company
Corona SWD Line
Incident Number: nAPP2503151234
Unit E, Section 30, T 18S, R 31E
Eddy County, New Mexico

FIGURE
3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Corona SWD Line
 Mewbourne Oil 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)
NMOC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Assessment Soil Samples										
SS01	02/06/2025	0.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	9,440
SS01	03/10/2025	1	<0.00202	<0.00403	<49.6	<49.6	<49.6	<49.6	<49.6	5,020
SS01	03/10/2025	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,760
SS02	02/06/2025	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	7,450
SS02	03/10/2025	1	<0.00198	<0.00397	<49.6	<49.6	<49.6	<49.6	<49.6	6,020
SS02	03/10/2025	2	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	122
SS03	02/06/2025	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	7,560
SS03	03/10/2025	1	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	7,050
SS03	03/10/2025	3	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	418
SS04	02/06/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1,090
SS04	03/10/2025	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	2,210
SS04	03/10/2025	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	153
SS05	02/06/2025	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	6,130
SS06	02/06/2025	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	7,510
SS06	03/10/2025	1	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	1,230
SS07	02/06/2025	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	108
SS08	02/06/2025	0.5	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	50.5
SS09	02/06/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	14.4
SS10	02/06/2025	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	<10.1
SS11	02/06/2025	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	<10.1
SS12	02/06/2025	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	<9.94
SS13	02/06/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	<9.98
SS14	02/06/2025	0.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	<9.92



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Corona SWD Line
 Mewbourne Oil 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	NE	100	600
Excavation Floor Soil Samples										
FS01	06/05/2025	2	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	768
FS01	06/12/2025	2.5	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	<50.1	144
FS02	06/05/2025	2	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	457
FS03	06/06/2025	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	223
FS04	06/05/2025	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	453
FS05	06/12/2025	1.5	<0.00202	<0.00403	<50.1	<50.1	<50.1	<50.1	<50.1	168
FS06	06/12/2025	1	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	494
FS07	06/06/2025	1	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	180
FS08	06/06/2025	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	116
FS09	06/06/2025	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	203
FS10	06/06/2025	1.5	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	<50.5	209
FS11	06/06/2025	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	340
FS12	06/12/2025	2	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	235
FS13	05/29/2025	2	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	178
FS14	06/12/2025	3	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	271
FS15	06/12/2025	3	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	338
FS16	06/12/2025	3	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	204
FS17	06/12/2025	3	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	133
FS18	05/29/2025	2	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	384
FS19	06/12/2025	3	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	132
FS20	06/06/2025	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	270
FS21	06/06/2025	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	122
FS22	06/12/2025	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	181
FS23	06/12/2025	3	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	144
FS24	06/12/2025	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	136



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 Mewbourne Oil 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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS25	06/12/2025	2	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	141
FS26	06/06/2025	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	448
FS27	06/05/2025	3	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	350
FS28	06/06/2025	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	347
Sidewall Soil Samples										
SW01	05/30/2025	0 - 2	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	225
SW02	05/28/2025	0 - 2	<0.00201	<0.00402	<50.01	<50.01	<50.01	<50.01	<50.01	125
SW03	05/28/2025	0 - 2	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	112
SW04	05/28/2025	0 - 3	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	204
SW05	05/28/2025	0 - 3	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	103
SW06	06/03/2025	0 - 3	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	200
SW07	06/02/2025	0 - 3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	408
SW08	06/03/2025	0 - 3	<0.00198	<0.00397	<50.1	<50.1	<50.1	<50.1	<50.1	105
SW09	06/03/2025	0 - 3	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	76.2

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

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



APPENDIX A

Referenced Well Records



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:	Geographic Area:	
Groundwater	New Mexico	GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324241103561201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324241103561201 18S.30E.26.4140

Eddy County, New Mexico

Latitude 32°42'41", Longitude 103°56'12" NAD27

Land-surface elevation 3,432 feet above NAVD88

The depth of the well is 230 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-03-07			D	62610	3225.86	NGVD29	1	Z			A
1968-03-07			D	62611	3227.40	NAVD88	1	Z			A
1968-03-07			D	72019	204.60		1	Z			A

Explanation

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

[Questions or Comments](#)[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for New Mexico: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2025-06-24 12:50:23 EDT

0.36 0.29 nadww01



APPENDIX B

NMCRIS Investigation Abstract Form

REDACTED

Report run on: Apr 22, 2025 04:33 PM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 158362

HPD Log No(s).

Registration

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Performing Agency: Beaver Creek Archaeology, Inc.

Activity ID:

Performing Agency Report No: BCA25-1719

Other Agencies:

Report Recipient (Your Client): Ensolum on behalf of Mewbourne Oil Company

Activity Types:

☐ Research Design ☒ Archaeological Survey/Inventory

☐ Architectural Survey/Inventory ☐ Test Excavation ☐ Monitoring

☐ Collections/Non-Field Study ☐ Compliance Decision

☐ Literature Review Overview ☐ Excavation ☐ Ethnographic Study

☐ Resource/Property Visit ☐ Historic Structures Report

☐ Other:

Total Survey Acreage: 1.80

Total Tribal Acreage: 0.00

Total Resources Visited: 0

Associate/Register Resources

Prefix	Number	Field Site/Other Number	In GIS	Resource Type	Collections Made?	Revisit
--------	--------	-------------------------	--------	---------------	-------------------	---------

Report Details

Type of Report Negative

Lead Agency

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Lead Agency Report No.

Report Number:

Title of Report

Title of Report: A Class III Cultural Resources Inventory for Remediation Efforts at Mewbourne's Corona SWD Line in Eddy County, New Mexico

Report run on: Apr 22, 2025 04:33 PM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 158362**HPD Log No(s).****Report Details (continued)****Authors:** Irene A. Altieri & Timothy Graves**Publication Type:** Report, Monograph, or Book**Description of Undertaking (what does the project entail?)**

Description: The project consists of a Class III Cultural resources Inventory for Ensolum on behalf of Mewbourne Oil Company (the Proponent) for the proposed remediation efforts at the Corona SWD Line. The proposed workspace limits, which accounts for all proposed surface disturbing activities, are anticipated to be comprised of a 1.1-acre area. The workspace limits are fully encompassed by a 4.2-acre inventory area, which accounts for a 100' cultural buffer extending from the proposed workspace limits. In total, the inventory area consists of 4.2 acres, of which, 2.4 acres have been previously surveyed under NMCRIS Activity Nos: 150011, 150188, and 156518. As a result, 1.8 acres of the inventory area, approximately 0.3 acres of the workspace limits, were surveyed during the current undertaking.

The proposed workspace limits and survey area are located on surface managed by the Bureau of Land Management (BLM).

Dates of Investigation**From:** 05-Apr-2025 **To:** 05-Apr-2025**Report Date****Report Date:** 18-Apr-2025**Performing Agency/Consultant****Name:** Beaver Creek Archaeology, Inc.**Principal Investigator:** Wade Burns**Field Supervisor:** Timothy Graves**Field Personnel Names:** Juan Arias**Historian/Other** N/A**Performing Agency Report Number****Report Number:** BCA25-1719**Client/Customer (project proponent)****Name:** Ensolum on behalf of Mewbourne Oil Company**Contact:** Hadlie Green**Address:****Phone** 432-557-8895

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 158362

HPD Log No(s).

Report Details (continued)

Client/Customer Project Number

Project Number: 03D3836002

Ownership & Location

Land Ownership Status (Must be indicated on Project Map)

Owner/Manager List:

Land Owner/Manager	Protocol	Acres Surveyed	Acres in APE
US Bureau of Land Management Carlsbad Field Office	Class III	1.80	0.00
US Bureau of Land Management Carlsbad Field Office	No inventory - prior investigations	2.40	0.00

Total Survey Acreage: 1.80

Total Tribal Acreage: 0.00

Record Search(es)

Date of HPD/ARMS File Review: 27-Mar-2025

Date of Other Agency File Review 27-Mar-2025

Survey Data

Source Graphics: NAD 83

☒ USGS 7.5' (1:24,000) topo map

☐ Other Topo Map

Scale:

☒ GPS Unit 1-10M

☐ Aerial Photos

Other Source Graphic(s):

The following tables (b,c,& e) are calculated by the NMCRIS Map Service

USGS 7.5' Topographic Map(s)

County(ies)

Legal Description

Map Name	USGS Quad Code	County	FIPS	Unplatted	Township (N/S)	Range (E/W)	Section
Hackberry Lake, NM	32103-F8	EDDY	35015	No	T18S	R30E	25
				No	T18S	R31E	30

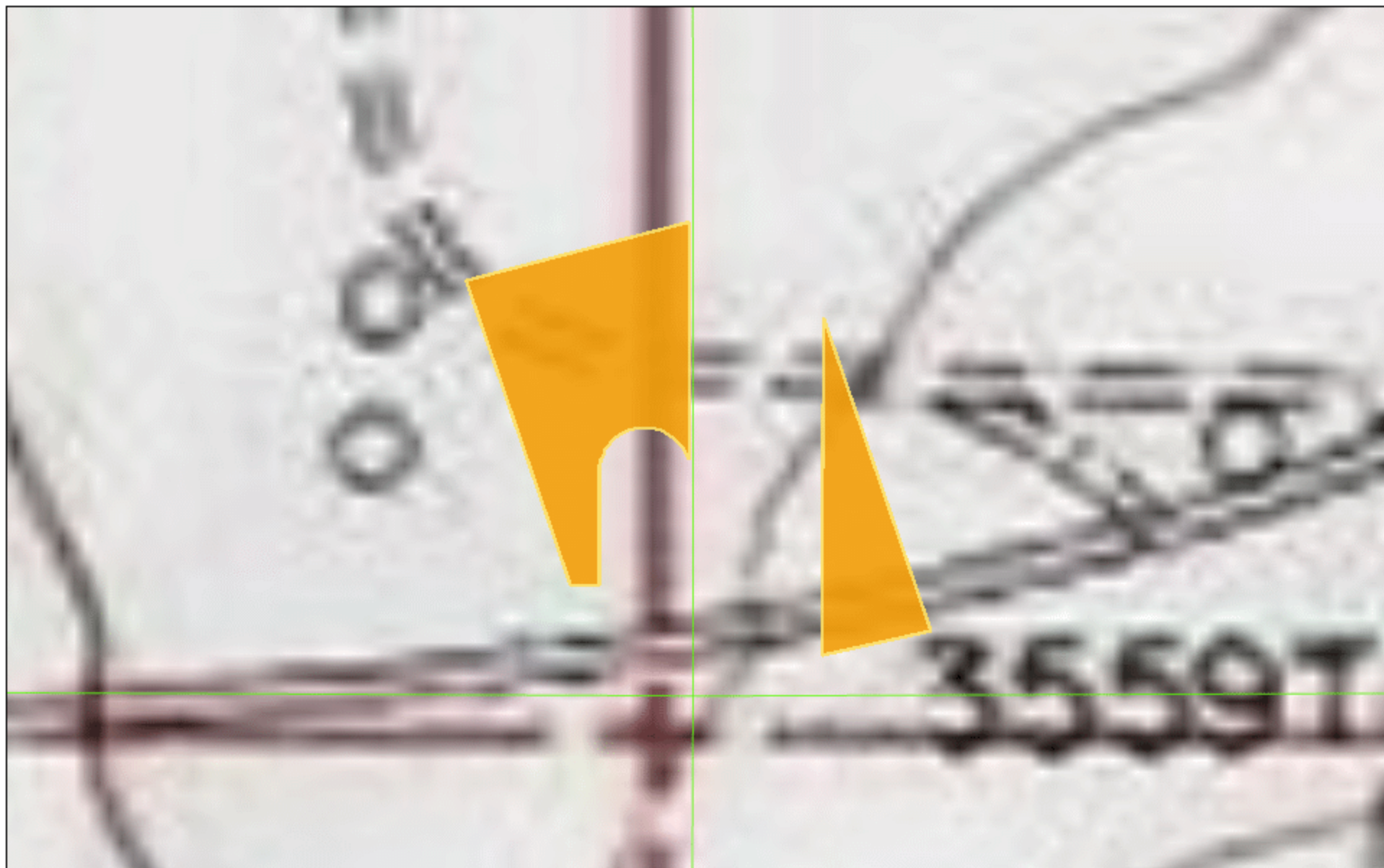
Projected Legal Description

No

Nearest City or Town: Loco Hills, NM

Other Description:

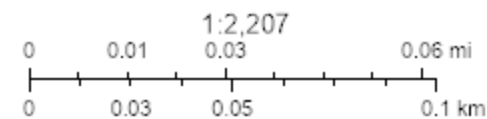
NMCRIS No: 158362



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NMCRIS No: 158362

 Proposed



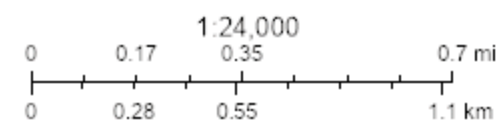
Copyright:© 2013 National Geographic Society, Inc.

NMCRIS No: 158362

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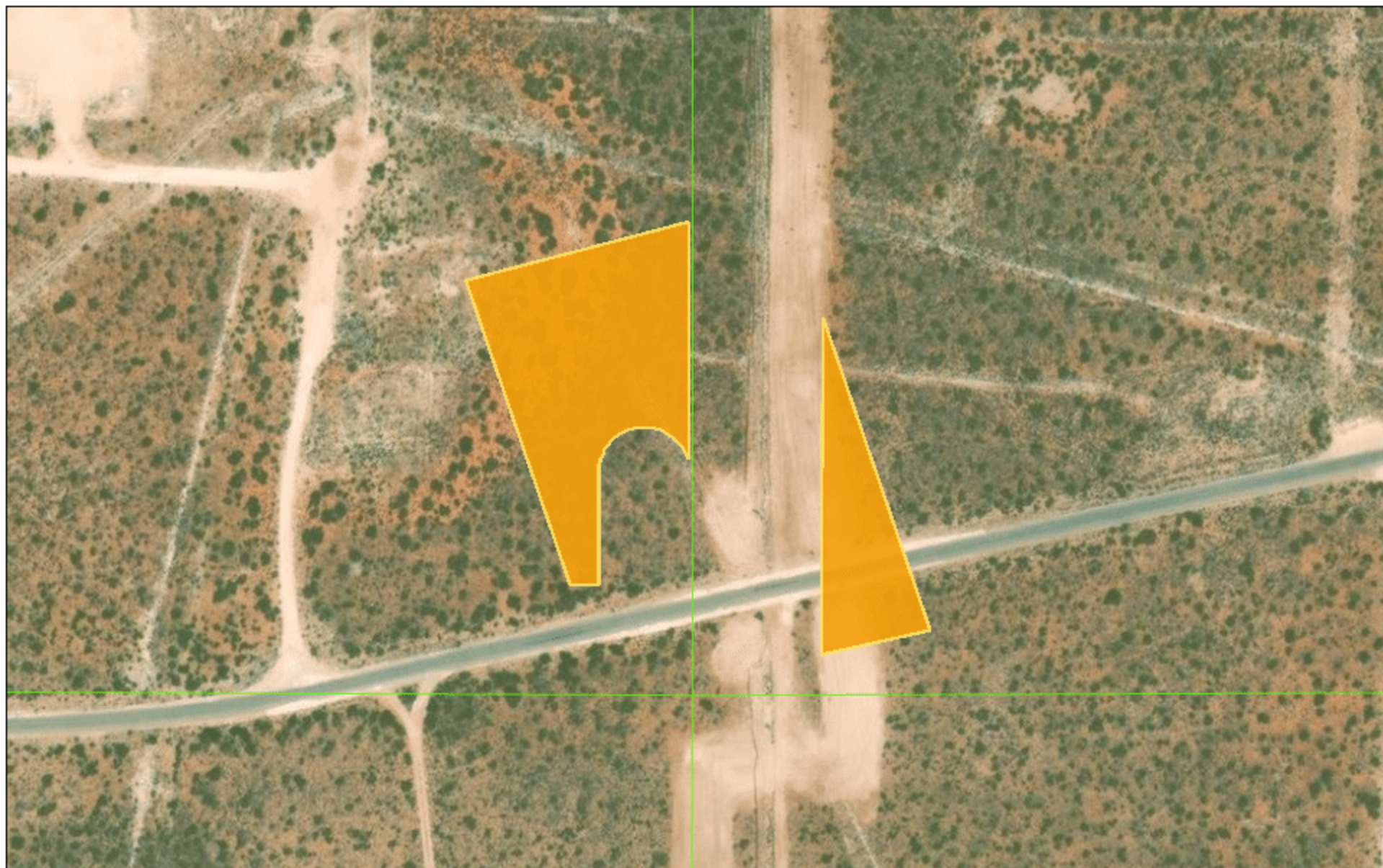
NMCRIS No: 158362

 Proposed



Copyright:© 2013 National Geographic Society, I-cubed

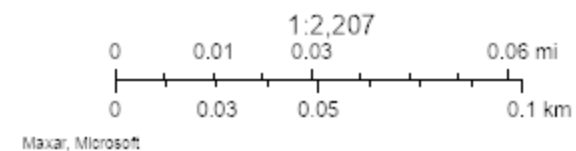
NMCRIS No: 158362



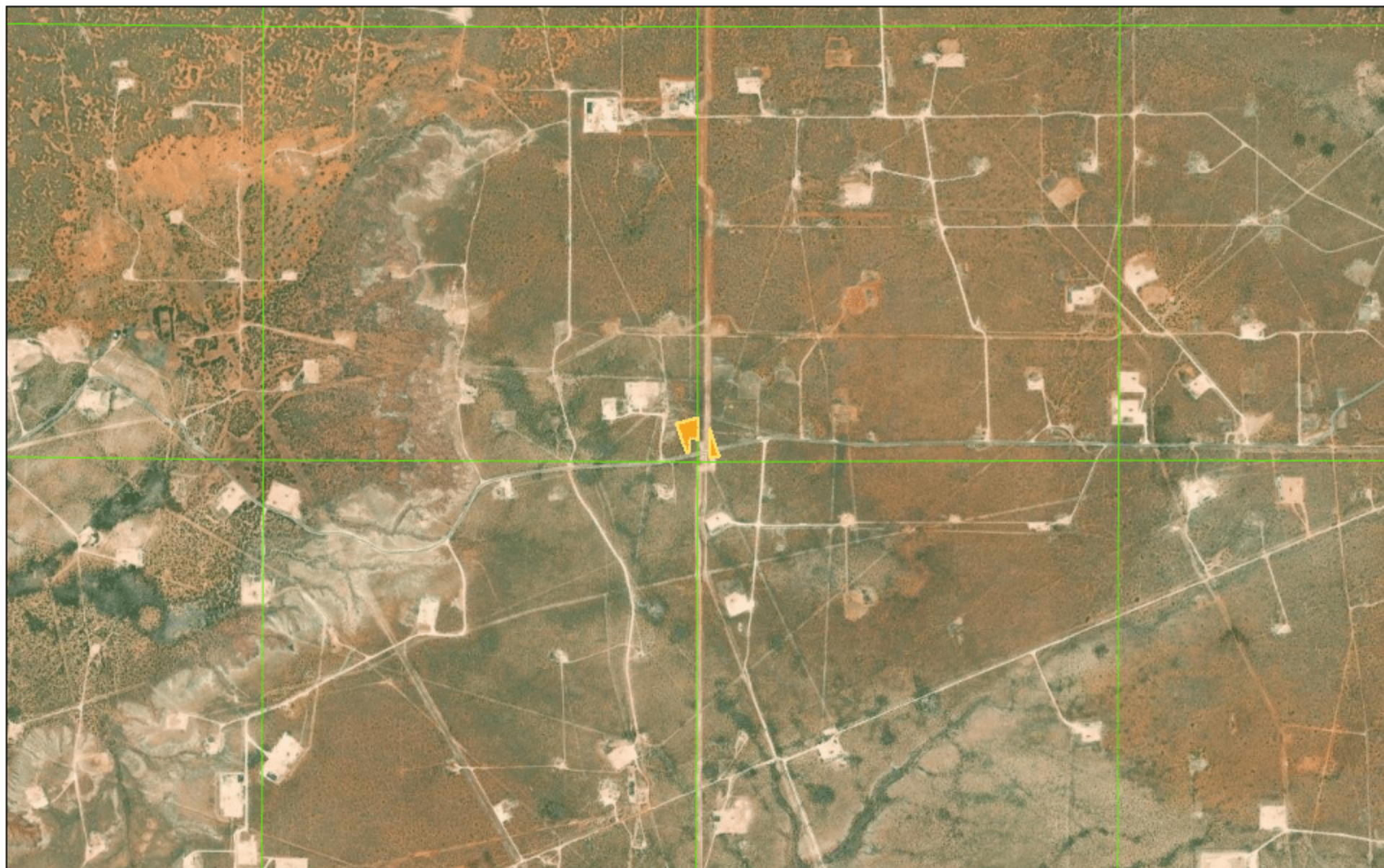
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NMCRIS No: 158362

 Proposed



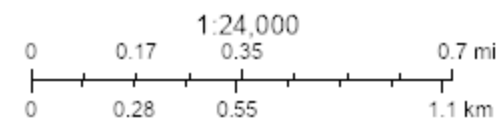
NMCRIS No: 158362



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NMCRIS No: 158362

 Proposed



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Report run on: Apr 22, 2025 04:33 PM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 158362**HPD Log No(s).**

Methodology

Survey Field Methods

Intensity: 100% coverage**Configuration:** ☒ Block Survey Units ☐ Linear Survey Units (l x y)

Other Survey Units

Scope: All Resources**Coverage Method:** ☒ Systematic Pedestrian Coverage **Other Method:****Survey Interval (m):** 15 **Crew Size** 2**Fieldwork Dates** **From** 05-Apr-2025 **To** 05-Apr-2025**Survey Person Hours:** 1.00 **Recording Person Hours** 0.00

Additional Narrative: Prior to the field inventory, BCA conducted a records search through the Archaeological Records Management Section (ARMS) of the New Mexico Historic Preservation Division's (HPD) NMCRIS records. Additionally, a records search was conducted through the BLM Geographic Information System (GIS) databases and resources. The records searches did not reveal any previously recorded sites within or within 100' of the inventory area. During the course of the pedestrian inventory, one isolated manifestation (IM) was discovered. Weather at the time of the Class III inventory consisted of clear skies and a temperature of 38°F.

Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.)

Environmental Setting: The inventory area is located east of the Pecos River on the Mescalero Plain, approximately 8 miles southeast of Loco Hills, New Mexico. The elevation of the inventory area averages 3,560' above mean sea level (AMSL). The inventory area is located on drainages and hills within a dunal area. Red-brown sand with a low density of caliche pebbles and cobbles were noted. The surveyed areas were vegetated by mesquite, snakeweed, and other native and non-native grasses, plants, and forbs. According to the Natural Resources Conservation Service (NRCS; 2025), the soils within the inventory area are comprised solely of Simona gravelly fine sandy loam (1w5w), which is typically found on rises in a setting of plains and alluvial fans at elevations ranging from 2,750-5,000', and slopes ranging from 0-3%. Locations of oil and gas production are in the surrounding area.

Natural Resources Conservation Service (NRCS). 2025. NRCS Web Soil Survey. Electronic data, <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>, accessed April 18, 2025.

Percent Ground Visibility

Ground Visibility: 76-99%

Condition of Survey Area: Ground surface visibility at the time of the inventory was approximately 76-99%, with the average estimated to be greater than 95%. Surface visibility was estimated by the amount of

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 158362

HPD Log No(s).

Methodology

vegetation cover. Previous disturbances consist of construction and maintenance of Grubbs Road, an oil pipeline, the release area, and erosion. Overall, the eastern survey area is approximately 30% intact and the western survey area is approximately 100% intact, expect for the remediation area which is 2% intact.

Attachments (check all appropriate boxes)

- ☒ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- ☒ Copy of NMCRIS Map Check (required)
- ☐ LA Site Forms - new sites (with sketch map & topographic map) if applicable
- ☐ LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum)
- ☐ Historic Cultural Property Inventory Forms, if applicable
- ☒ List and Description of Isolates, if applicable
- ☐ List and Description of Collections, if applicable

Other Attachments

- ☒ Photographs and Log
- ☒ Other attachments Describe: NIAF with attachments

Cultural Resource Findings

Investigation Results

Archaeological Sites Discovered and Registered:	0
Archaeological Sites Discovered and NOT Registered:	0
Previously Recorded Archaeological Sites Revisited (site update form required):	0
Previously Recorded Archaeological Sites Not Relocated (site update form required):	0
Total Archaeological Sites (visited & recorded):	0
Total Isolates Recorded:	1
HCPI Properties Discovered and Registered:	0
HCPI Properties Discovered And NOT Registered:	0
Previously Recorded HCPI Properties Revisited:	0
Previously Recorded HCPI Properties NOT Relocated:	0
Total HCPI Properties (visited & recorded, including acequias):	0
If No Cultural Resources Found, Discuss Why:	The NMCRIS and BLM records checks did not reveal any previously recorded sites within or within 100' of the inventory area. During the current inventory, one isolated manifestation (IM) was discovered. The IM consists of four pieces of burned caliche. The lack of significant cultural material may be due to the sample size as the surveyed area only represents a small segment of the surrounding landscape.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 158362

HPD Log No(s).

Cultural Resource Findings (continued)

Management Summary

Summary: The NMCRIS and BLM records checks did not reveal any previously recorded sites within or within 100' of the inventory area. One isolated manifestation (IM), which consists of four pieces of burned caliche, was discovered. As no significant cultural material, features, or evidence thereof was observed during the pedestrian survey, BCA recommends this project proceed under a finding of No Historic Properties Affected with no further archaeological work recommended.

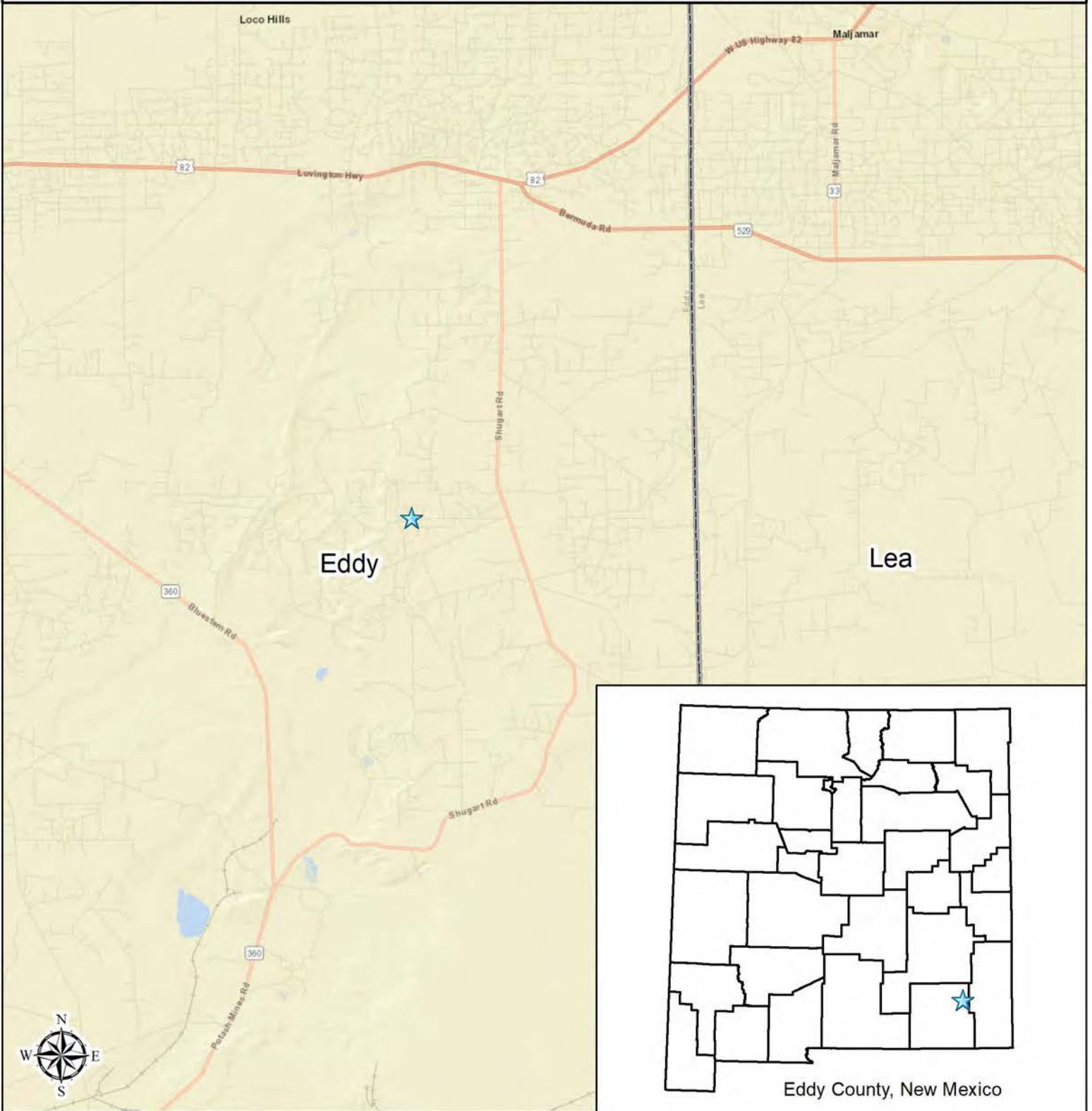
Attachments

Attachment Type	Description	Name	File Type	Upload Date	Upload By
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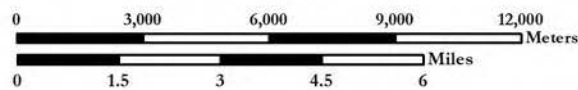
Beaver Creek ARCHAEOLOGY

Mewbourne's Corona SW D Line
Ensolum, LLC
T18S R30E Sec. 25 & T18S R31E Sec. 30
Hackberry Lake(1985) Quad. Map
Upper Pecos-Black Drainage
Eddy County, New Mexico



Legend

★ Project Location



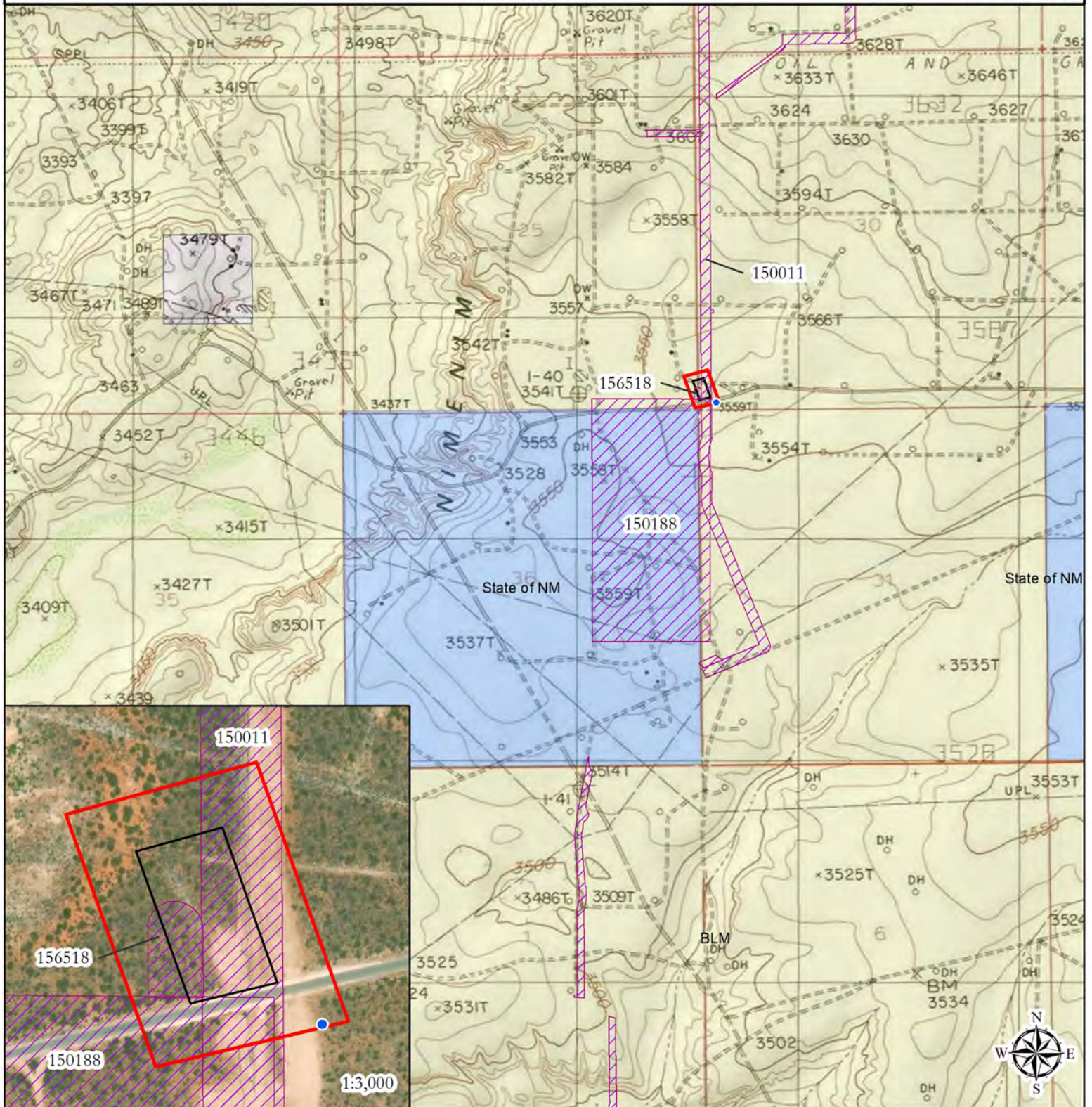
Base Map: USGS 7.5'
Scale: 1:180,000
UTM NAD83 Zone 13



Beaver Creek
ARCHAEOLOGY

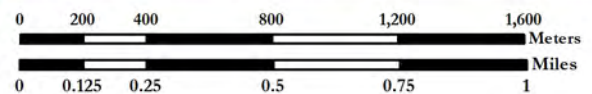
REDACTED

Mewbourne's Corona SWD Line
Ensolum, LLC
T18S R30E Sec. 25 & T18S R31E Sec. 30
Hackberry Lake(1985) Quad. Map
Upper Pecos-Black Drainage
Eddy County, New Mexico



Legend

- Inventory Area (4.2 Acres)
- Previously Surveyed (2.4 Acres)
- Workspace Limits (1.1 Acres)
- Isolated Manifestation



Base Map: USGS 7.5'
Scale: 1:24,000
UTM NAD83 Zone 13

Photo Log of: Mewbourne’s Corona SWD Line Remediation

BCA Project #: 2025-1719 Crew: Juan Arias Camera #: IMG

Table 1. Photo Log

Date	Frame #	Direction	Photographer	Easting	Northing	Description
04/5/2025	IMG-1	N	Juan Arias	601568	3619810	Overview of Parcel 1 area from south end
04/5/2025	IMG-2	S	Juan Arias	601563	3619919	Overview of Parcel 1 area from north end
04/5/2025	IMG-3	S	Juan Arias	601514	3619955	Overview of Parcel 2 area from northeast end
04/5/2025	IMG-4	S	Juan Arias	601499	3619917	Overview of Parcel 2 remediation area from north end
04/5/2025	IMG-5	N	Juan Arias	601481	3619830	Overview of Parcel 2 area from south end



Figure 1. Overview of Parcel 1 area from south end.



Figure 2. Overview of Parcel 1 area from north end.



Figure 3. Overview of Parcel 2 area from northeast end.



Figure 4. Overview of Parcel 2 remediation area from north end.



Figure 5. Overview of Parcel 2 area from south end.

United States
Department of the Interior
Bureau of Land Management

INFORMATION
REQUIREMENT
APPROVED
OMB NO. 1024-0037

FIELDWORK AUTHORIZATION REQUEST

For BLM Use Only

To Conduct Specific Cultural Resource Work under the Authority of a
Cultural Resource Use Permit Issued by the Bureau of Land Management
Pursuant to Sec. 302 (b) of P. L. 94-579, October 21, 1976, 43 USC 1732
Sec. 4 of P. L. 96-95, October 31, 1979, 16 USC, 470cc

1. Permit Number and Date Issued

2. Name of Permittee

3. Mailing Address and Telephone Number

Address:

Telephone [(xxx) xxx-xxxx]:

4. Nature of Cultural Resources Work Proposed (if Consultation Work, Identify Client and Project)

5. Location of Proposed Work (Include Map)

a. Description of Public Lands Involved

b. Identification of Cultural Resource(s) Involved (if applicable)

6. Period During Which Work Will Be Conducted

From [mm/dd/yy]:

To [mm/dd/yy]:

7. Name of Individual(s) Responsible for Planning and Supervising Fieldwork and Approving Report, Evaluations, and Recommendations

8. Signature

Wade Burns

9. Date [mm/dd/yy]:

10. Approved

Judith Smith

(Authorized Officer)

11. Date [mm/dd/yy]: 04/03/2025

Submit one copy of each request, by mail, FAX, or in person to the Field Office Manager in the BLM
Field Office with administrative jurisdiction over the public lands involved.



APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: SS01		Date: 03/10/2025	
								Site Name: Corona SWD Line			
								Incident Number: nAPP2503151234			
								Job Number: 03D3836002			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: H.Gonzalez		Method: Backhoe	
Coordinates: 32.711481, -103.916823								Hole Diameter: 3'		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y		0	0	SW-SM	Well graded sand with silt, dark brown, noncohesive, low plasticity, salt crust formed on top 3mm of soil, trace amounts of caliche stones.			
D	>3,590	0.4	N	SS01 1'	1	1	CCHE	Young caliche rock layer, no staining, sandstone deposition throughout. Soil/Rock interface has a sandstone cap layer approx. 1mm in thickness.			
D	>3,590	1.6	N	SS01 2'	2	2					
Total Depth = 2' (Feet) BGS											

 ENSOLUM		Sample Name: SS02		Date: 03/10/2025				
		Site Name: Corona SWD Line						
		Incident Number: nAPP2503151234						
		Job Number: 03D3836002						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.711487, -103.916794			Logged By: H.Gonzalez		Method: Backhoe			
			Hole Diameter: 3'		Total Depth: 2'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y		0'	0	SW-SM	Well graded sand with silt, dark brown, noncohesive, low plasticity, salt crust formed on top 3mm of soil, trace amounts of caliche stones.
D	>3,590	0.6	N	SS02 1'	1'	1	CCHE	Young caliche rock layer, no staining, sandstone deposition throughout. Soil/Rock interface has a sandstone cap layer approx. 1mm in thickness.
D	1,826	0.0	N	SS01 2'	2'	2		
Total Depth = 2' (Feet) BGS								

 ENSOLUM								Sample Name: SS03		Date: 03/10/2025	
								Site Name: Corona SWD Line			
								Incident Number: nAPP2503151234			
								Job Number: 03D3836002			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: H.Gonzalez		Method: Backhoe	
Coordinates: 32.711499, -103.916728								Hole Diameter: 3'		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y		0	0	SW-SM	Well graded sand with silt, dark brown, noncohesive, low plasticity, salt crust formed on top 3mm of soil, trace amounts of caliche stones.			
D	>3,590	0.5	N	SS03 1'	1	1	CCHE	Young caliche rock layer, no staining, sandstone deposition throughout. Soil/Rock interface has a sandstone cap layer approx. 1mm in thickness.			
D	577	0.1	N		2	2					
D	515.20	0.4	N	SS03 3'	3	3					
Total Depth = 3' (Feet) BGS											

								Sample Name: SS04		Date: 03/10/2025	
								Site Name: Corona SWD Line			
								Incident Number: nAPP2503151234			
								Job Number: 03D3836002			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: H.Gonzalez		Method: Backhoe	
Coordinates: 32.711516, -103.916637								Hole Diameter: 3'		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y		0	0	SW-SM	Well graded sand with silt, dark brown, noncohesive, low plasticity, salt crust formed on top 3mm of soil, trace amounts of caliche stones.			
D	2,032	0.5	N	SS04 1'	1	1	CCHE	Young caliche rock layer, no staining, sandstone deposition throughout. Soil/Rock interface has a sandstone cap layer approx. 1mm in thickness.			
D			N	SS04 2'	2	2					
Total Depth = 2' (Feet) BGS											

								Sample Name: SS06		Date: 03/10/2025	
								Site Name: Corona SWD Line			
								Incident Number: nAPP2503151234			
								Job Number: 03D3836002			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: H.Gonzalez		Method: Backhoe	
Coordinates: 32.711501, -103.916717								Hole Diameter: 3'		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	SW-SM	Well graded sand with silt, dark brown, noncohesive, low plasticity, salt crust formed on top 3mm of soil, trace amounts of caliche stones.			
D	1,826	0.4	N	SS06 1'	1	1	CCHE	Caliche with majority embedded sandstone, no staining.			
Total Depth = 1' (Foot) BGS											



APPENDIX D

Photographic Log



Photographic Log
Mewbourne Oil Company
Corona SWD Line
Eddy County, New Mexico



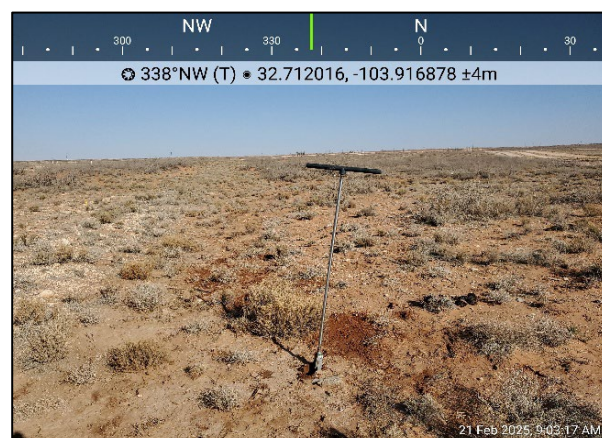
Photograph: 1 Date: 2/6/2025
Description: Soil staining in release footprint
View: Northwest



Photograph: 2 Date: 2/6/2025
Description: Soil staining in release footprint
View: North



Photograph: 3 Date: 2/21/2025
Description: Delineation Activities
View: West



Photograph: 4 Date: 2/21/2025
Description: Delineation Activities
View: Northwest



Photographic Log
Mewbourne Oil Company
Corona SWD Line
Eddy County, New Mexico



Photograph: 1 Date: 5/27/2025
Description: Excavation Activities
View: Southeast



Photograph: 2 Date: 5/28/2025
Description: Excavation Activities
View: Northwest



Photograph: 3 Date: 5/28/2025
Description: Excavation Activities
View: Northwest



Photograph: 4 Date: 5/30/2025
Description: Excavation Activities
View: East



Photographic Log
Mewbourne Oil Company
Corona SWD Line
Eddy County, New Mexico



Photograph: 1 Date: 6/2/2025
Description: Excavation Activities
View: Northwest



Photograph: 2 Date: 6/6/2025
Description: Excavation Activities
View: East



Photograph: 3 Date: 6/12/2025
Description: Excavation Activities
View: Northwest



Photograph: 4 Date: 6/12/2025
Description: Excavation Activities
View: Northwest



APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum

601 N. Marienfeld St.
Suite 400

Midland, Texas 79701

Generated 2/12/2025 1:09:20 PM

JOB DESCRIPTION

CORONA SWD LINE
03D3836002

JOB NUMBER

890-7644-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



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2/12/2025 1:09:20 PM

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

Client: Ensolum
Project/Site: CORONA SWD LINE

Laboratory Job ID: 890-7644-1
SDG: 03D3836002

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Definitions/Glossary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project: CORONA SWD LINE

Job ID: 890-7644-1

Job ID: 890-7644-1

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Job Narrative 890-7644-1

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 2/7/2025 8:07 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 0.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-7644-1), SS 02 (890-7644-2), SS 03 (890-7644-3), SS 04 (890-7644-4), SS 05 (890-7644-5), SS 06 (890-7644-6), SS 07 (890-7644-7), SS 08 (890-7644-8), SS 09 (890-7644-9), SS 10 (890-7644-10), SS 11 (890-7644-11), SS 12 (890-7644-12), SS 13 (890-7644-13) and SS 14 (890-7644-14).

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 880-102351 and analytical batch 880-102365 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS 13 (890-7644-13), (LCS 880-102351/2-A), (890-7644-A-13-D MS) and (890-7644-A-13-E MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102338 and analytical batch 880-102370 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 01

Lab Sample ID: 890-7644-1

Date Collected: 02/06/25 10:15

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 11:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 11:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 11:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/07/25 15:48	02/10/25 11:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 11:52	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/07/25 15:48	02/10/25 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/07/25 15:48	02/10/25 11:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/07/25 15:48	02/10/25 11:52	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			02/10/25 11:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/11/25 14:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 14:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 14:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	02/09/25 21:20	02/11/25 14:42	1
o-Terphenyl	122		70 - 130	02/09/25 21:20	02/11/25 14:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9440	F1	99.0	mg/Kg			02/10/25 16:08	10

Client Sample ID: SS 02

Lab Sample ID: 890-7644-2

Date Collected: 02/06/25 10:20

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 12:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 12:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 12:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 12:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 12:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/07/25 15:48	02/10/25 12:12	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 02

Lab Sample ID: 890-7644-2

Date Collected: 02/06/25 10:20

Matrix: Solid

Date Received: 02/07/25 08:07

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	02/07/25 15:48	02/10/25 12:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/25 12:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/11/25 15:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 15:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 15:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 15:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			02/09/25 21:20	02/11/25 15:03	1
o-Terphenyl	120		70 - 130			02/09/25 21:20	02/11/25 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7450		99.4	mg/Kg			02/10/25 16:36	10

Client Sample ID: SS 03

Lab Sample ID: 890-7644-3

Date Collected: 02/06/25 10:25

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 12:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 12:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 12:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 12:33	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 12:33	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/07/25 15:48	02/10/25 12:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/07/25 15:48	02/10/25 12:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/25 12:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/11/25 15:43	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 03

Lab Sample ID: 890-7644-3

Date Collected: 02/06/25 10:25

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/09/25 21:20	02/11/25 15:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 15:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 15:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			02/09/25 21:20	02/11/25 15:43	1
o-Terphenyl	129		70 - 130			02/09/25 21:20	02/11/25 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7560		101	mg/Kg			02/10/25 16:45	10

Client Sample ID: SS 04

Lab Sample ID: 890-7644-4

Date Collected: 02/06/25 10:32

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 12:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 12:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 12:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/07/25 15:48	02/10/25 12:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 12:53	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/07/25 15:48	02/10/25 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			02/07/25 15:48	02/10/25 12:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130			02/07/25 15:48	02/10/25 12:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/25 12:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/11/25 16:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 16:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 16:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 16:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			02/09/25 21:20	02/11/25 16:04	1
o-Terphenyl	112		70 - 130			02/09/25 21:20	02/11/25 16:04	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 04

Lab Sample ID: 890-7644-4

Date Collected: 02/06/25 10:32

Matrix: Solid

Date Received: 02/07/25 08:07

Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		10.0	mg/Kg			02/10/25 16:54	1

Client Sample ID: SS 05

Lab Sample ID: 890-7644-5

Date Collected: 02/06/25 10:43

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 13:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 13:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 13:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 13:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			02/07/25 15:48	02/10/25 13:14	1
1,4-Difluorobenzene (Surr)	105		70 - 130			02/07/25 15:48	02/10/25 13:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/25 13:14	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			02/11/25 16:25	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		02/09/25 21:20	02/11/25 16:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		02/09/25 21:20	02/11/25 16:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		02/09/25 21:20	02/11/25 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			02/09/25 21:20	02/11/25 16:25	1
o-Terphenyl	127		70 - 130			02/09/25 21:20	02/11/25 16:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6130		100	mg/Kg			02/10/25 17:03	10

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 06

Lab Sample ID: 890-7644-6

Date Collected: 02/06/25 10:37

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 13:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 13:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 13:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 13:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 13:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/07/25 15:48	02/10/25 13:34	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/07/25 15:48	02/10/25 13:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/25 13:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/11/25 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 16:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 16:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	02/09/25 21:20	02/11/25 16:45	1
o-Terphenyl	129		70 - 130	02/09/25 21:20	02/11/25 16:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7510		100	mg/Kg			02/10/25 17:31	10

Client Sample ID: SS 07

Lab Sample ID: 890-7644-7

Date Collected: 02/06/25 10:24

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 13:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 13:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 13:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/07/25 15:48	02/10/25 13:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 13:54	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/07/25 15:48	02/10/25 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/07/25 15:48	02/10/25 13:54	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 07

Lab Sample ID: 890-7644-7

Date Collected: 02/06/25 10:24

Matrix: Solid

Date Received: 02/07/25 08:07

Sample Depth: 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	02/07/25 15:48	02/10/25 13:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/25 13:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/11/25 17:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 17:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			02/09/25 21:20	02/11/25 17:05	1
o-Terphenyl	114		70 - 130			02/09/25 21:20	02/11/25 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		9.98	mg/Kg			02/10/25 17:40	1

Client Sample ID: SS 08

Lab Sample ID: 890-7644-8

Date Collected: 02/06/25 12:43

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 14:15	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/07/25 15:48	02/10/25 14:15	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/07/25 15:48	02/10/25 14:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		02/07/25 15:48	02/10/25 14:15	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/07/25 15:48	02/10/25 14:15	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		02/07/25 15:48	02/10/25 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/07/25 15:48	02/10/25 14:15	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/07/25 15:48	02/10/25 14:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			02/10/25 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/11/25 17:26	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 08

Lab Sample ID: 890-7644-8

Date Collected: 02/06/25 12:43

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/09/25 21:20	02/11/25 17:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 17:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 17:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			02/09/25 21:20	02/11/25 17:26	1
o-Terphenyl	126		70 - 130			02/09/25 21:20	02/11/25 17:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.5		9.92	mg/Kg			02/10/25 17:49	1

Client Sample ID: SS 09

Lab Sample ID: 890-7644-9

Date Collected: 02/06/25 10:14

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 14:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 14:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 14:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/07/25 15:48	02/10/25 14:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 14:35	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/07/25 15:48	02/10/25 14:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			02/07/25 15:48	02/10/25 14:35	1
1,4-Difluorobenzene (Surr)	108		70 - 130			02/07/25 15:48	02/10/25 14:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/25 14:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/11/25 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 17:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 17:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			02/09/25 21:20	02/11/25 17:46	1
o-Terphenyl	124		70 - 130			02/09/25 21:20	02/11/25 17:46	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 09

Lab Sample ID: 890-7644-9

Date Collected: 02/06/25 10:14

Matrix: Solid

Date Received: 02/07/25 08:07

Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.4		9.96	mg/Kg			02/10/25 17:58	1

Client Sample ID: SS 10

Lab Sample ID: 890-7644-10

Date Collected: 02/06/25 10:55

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 14:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 14:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 14:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/07/25 15:48	02/10/25 14:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 14:56	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/07/25 15:48	02/10/25 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			02/07/25 15:48	02/10/25 14:56	1
1,4-Difluorobenzene (Surr)	108		70 - 130			02/07/25 15:48	02/10/25 14:56	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			02/10/25 14:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/11/25 18:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 18:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 18:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/25 21:20	02/11/25 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			02/09/25 21:20	02/11/25 18:06	1
o-Terphenyl	111		70 - 130			02/09/25 21:20	02/11/25 18:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			02/10/25 18:07	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 11

Lab Sample ID: 890-7644-11

Date Collected: 02/06/25 10:33

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 16:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 16:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 16:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 16:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 16:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/07/25 15:48	02/10/25 16:30	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/07/25 15:48	02/10/25 16:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/25 16:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/11/25 18:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 18:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 18:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/09/25 21:20	02/11/25 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/09/25 21:20	02/11/25 18:27	1
o-Terphenyl	103		70 - 130	02/09/25 21:20	02/11/25 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			02/10/25 18:17	1

Client Sample ID: SS 12

Lab Sample ID: 890-7644-12

Date Collected: 02/06/25 10:30

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 16:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 16:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 16:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 16:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/07/25 15:48	02/10/25 16:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/07/25 15:48	02/10/25 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/07/25 15:48	02/10/25 16:50	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 12

Lab Sample ID: 890-7644-12

Date Collected: 02/06/25 10:30

Matrix: Solid

Date Received: 02/07/25 08:07

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	02/07/25 15:48	02/10/25 16:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/25 16:50	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			02/11/25 18:48	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		02/09/25 21:20	02/11/25 18:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		02/09/25 21:20	02/11/25 18:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		02/09/25 21:20	02/11/25 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			02/09/25 21:20	02/11/25 18:48	1
o-Terphenyl	123		70 - 130			02/09/25 21:20	02/11/25 18:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94	mg/Kg			02/10/25 18:44	1

Client Sample ID: SS 13

Lab Sample ID: 890-7644-13

Date Collected: 02/06/25 10:37

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 17:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 17:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 17:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/07/25 15:48	02/10/25 17:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 17:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/07/25 15:48	02/10/25 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/07/25 15:48	02/10/25 17:11	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/07/25 15:48	02/10/25 17:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/25 17:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/10/25 13:32	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 13

Lab Sample ID: 890-7644-13

Date Collected: 02/06/25 10:37

Matrix: Solid

Date Received: 02/07/25 08:07

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0	mg/Kg		02/09/25 21:25	02/10/25 13:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0	mg/Kg		02/09/25 21:25	02/10/25 13:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/25 21:25	02/10/25 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130			02/09/25 21:25	02/10/25 13:32	1
o-Terphenyl	63	S1-	70 - 130			02/09/25 21:25	02/10/25 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98	mg/Kg			02/10/25 18:53	1

Client Sample ID: SS 14

Lab Sample ID: 890-7644-14

Date Collected: 02/06/25 10:19

Matrix: Solid

Date Received: 02/07/25 08:07

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		02/07/25 15:48	02/10/25 17:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 17:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 17:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/07/25 15:48	02/10/25 17:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 17:31	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/07/25 15:48	02/10/25 17:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			02/07/25 15:48	02/10/25 17:31	1
1,4-Difluorobenzene (Surr)	104		70 - 130			02/07/25 15:48	02/10/25 17:31	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			02/10/25 17:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/10/25 14:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/09/25 21:25	02/10/25 14:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/09/25 21:25	02/10/25 14:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/09/25 21:25	02/10/25 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130			02/09/25 21:25	02/10/25 14:34	1
o-Terphenyl	73		70 - 130			02/09/25 21:25	02/10/25 14:34	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 14
Date Collected: 02/06/25 10:19
Date Received: 02/07/25 08:07
Sample Depth: 0.5'

Lab Sample ID: 890-7644-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92	mg/Kg			02/10/25 19:21	1

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

Surrogate Summary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

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)				
890-7644-1	SS 01	97	99				
890-7644-1 MS	SS 01	107	101				
890-7644-1 MSD	SS 01	117	100				
890-7644-2	SS 02	110	101				
890-7644-3	SS 03	110	100				
890-7644-4	SS 04	104	102				
890-7644-5	SS 05	98	105				
890-7644-6	SS 06	97	104				
890-7644-7	SS 07	107	110				
890-7644-8	SS 08	97	108				
890-7644-9	SS 09	98	108				
890-7644-10	SS 10	104	108				
890-7644-11	SS 11	98	99				
890-7644-12	SS 12	96	107				
890-7644-13	SS 13	106	105				
890-7644-14	SS 14	103	104				
LCS 880-102327/1-A	Lab Control Sample	96	107				
LCSD 880-102327/2-A	Lab Control Sample Dup	98	106				
MB 880-102327/5-A	Method Blank	92	91				
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)				
890-7644-1	SS 01	104	122				
890-7644-2	SS 02	101	120				
890-7644-3	SS 03	110	129				
890-7644-4	SS 04	98	112				
890-7644-5	SS 05	107	127				
890-7644-6	SS 06	112	129				
890-7644-7	SS 07	102	114				
890-7644-8	SS 08	114	126				
890-7644-9	SS 09	114	124				
890-7644-10	SS 10	104	111				
890-7644-11	SS 11	95	103				
890-7644-12	SS 12	110	123				
890-7644-13	SS 13	64 S1-	63 S1-				
890-7644-13 MS	SS 13	66 S1-	61 S1-				
890-7644-13 MSD	SS 13	69 S1-	63 S1-				
890-7644-14	SS 14	73	73				
890-7651-A-1-F MS	Matrix Spike	121	127				
890-7651-A-1-G MSD	Matrix Spike Duplicate	105	109				
LCS 880-102350/2-A	Lab Control Sample	107	119				
LCS 880-102351/2-A	Lab Control Sample	69 S1-	66 S1-				

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Surrogate Summary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-102350/3-A	Lab Control Sample Dup	108	114
LCSD 880-102351/3-A	Lab Control Sample Dup	77	75
MB 880-102351/1-A	Method Blank	75	82
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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
MB 880-102350/1-A	Method Blank		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102327/5-A

Matrix: Solid

Analysis Batch: 102362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102327

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 11:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 11:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/07/25 15:48	02/10/25 11:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/07/25 15:48	02/10/25 11:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/07/25 15:48	02/10/25 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	02/07/25 15:48	02/10/25 11:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/07/25 15:48	02/10/25 11:30	1

Lab Sample ID: LCS 880-102327/1-A

Matrix: Solid

Analysis Batch: 102362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102327

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1119		mg/Kg		112	70 - 130
Toluene	0.100	0.1175		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1138		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2173		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-102327/2-A

Matrix: Solid

Analysis Batch: 102362

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102327

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1126		mg/Kg		113	70 - 130	1	35
Toluene	0.100	0.1188		mg/Kg		119	70 - 130	1	35
Ethylbenzene	0.100	0.1108		mg/Kg		111	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2085		mg/Kg		104	70 - 130	4	35
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130	3	35

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

Lab Sample ID: 890-7644-1 MS

Matrix: Solid

Analysis Batch: 102362

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 102327

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09505		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.0998	0.1037		mg/Kg		104	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

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

Lab Sample ID: 890-7644-1 MS

Matrix: Solid

Analysis Batch: 102362

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 102327

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.1008		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1881		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09604		mg/Kg		96	70 - 130

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

Lab Sample ID: 890-7644-1 MSD

Matrix: Solid

Analysis Batch: 102362

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 102327

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09140		mg/Kg		92	70 - 130	4	35
Toluene	<0.00200	U	0.0996	0.1076		mg/Kg		108	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.0996	0.1159		mg/Kg		116	70 - 130	14	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2280		mg/Kg		114	70 - 130	19	35
o-Xylene	<0.00200	U	0.0996	0.1151		mg/Kg		116	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-102350/1-A

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102350

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 08:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 08:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/25 21:20	02/11/25 08:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/09/25 21:20	02/11/25 08:42	1
o-Terphenyl				02/09/25 21:20	02/11/25 08:42	1

Lab Sample ID: LCS 880-102350/2-A

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1044		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1115		mg/Kg		112	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

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

Lab Sample ID: LCS 880-102350/2-A

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102350

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-102350/3-A

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102350

	Spike	LCSD	LCSD						%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
Gasoline Range Organics (GRO)-C6-C10	1000	1059		mg/Kg		106	70 - 130	1	20			
Diesel Range Organics (Over C10-C28)	1000	1149		mg/Kg		115	70 - 130	3	20			

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-7651-A-1-F MS

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102350

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1243		mg/Kg		120	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1002		mg/Kg		98	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 890-7651-A-1-G MSD

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102350

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1017		mg/Kg		97	70 - 130	20	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	862.2		mg/Kg		84	70 - 130	15	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	109		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

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

Lab Sample ID: MB 880-102351/1-A

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102351

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/25 21:25	02/10/25 08:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/25 21:25	02/10/25 08:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/25 21:25	02/10/25 08:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			02/09/25 21:25	02/10/25 08:48	1
o-Terphenyl	82		70 - 130			02/09/25 21:25	02/10/25 08:48	1

Lab Sample ID: LCS 880-102351/2-A

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	829.2		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	824.6		mg/Kg		82	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	69	S1-	70 - 130				
o-Terphenyl	66	S1-	70 - 130				

Lab Sample ID: LCSD 880-102351/3-A

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102351

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	947.0		mg/Kg		95	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	883.2		mg/Kg		88	70 - 130	7	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	77		70 - 130						
o-Terphenyl	75		70 - 130						

Lab Sample ID: 890-7644-13 MS

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: SS 13

Prep Type: Total/NA

Prep Batch: 102351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	529.2	F1	mg/Kg		53	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	486.7	F1	mg/Kg		49	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

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

Lab Sample ID: 890-7644-13 MS

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: SS 13

Prep Type: Total/NA

Prep Batch: 102351

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	61	S1-	70 - 130

Lab Sample ID: 890-7644-13 MSD

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: SS 13

Prep Type: Total/NA

Prep Batch: 102351

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	576.3	F1	mg/Kg		58	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	521.2	F1	mg/Kg		52	70 - 130	7	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	63	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102338/1-A

Matrix: Solid

Analysis Batch: 102370

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<10.0	U	10.0	mg/Kg			02/10/25 15:41	1		

Lab Sample ID: LCS 880-102338/2-A

Matrix: Solid

Analysis Batch: 102370

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	242.7		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-102338/3-A

Matrix: Solid

Analysis Batch: 102370

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	242.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-7644-1 MS

Matrix: Solid

Analysis Batch: 102370

Client Sample ID: SS 01

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	9440	F1	2480	11700		mg/Kg		91	90 - 110		

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-7644-1 MSD Matrix: Solid Analysis Batch: 102370										Client Sample ID: SS 01 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	9440	F1	2480	11540	F1	mg/Kg		85	90 - 110	1	20	

Lab Sample ID: 890-7644-11 MS Matrix: Solid Analysis Batch: 102370										Client Sample ID: SS 11 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	<10.1	U	253	256.7		mg/Kg		99	90 - 110			

Lab Sample ID: 890-7644-11 MSD Matrix: Solid Analysis Batch: 102370										Client Sample ID: SS 11 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	<10.1	U	253	256.9		mg/Kg		99	90 - 110	0	20	

QC Association Summary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

GC VOA

Prep Batch: 102327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-1	SS 01	Total/NA	Solid	5035	
890-7644-2	SS 02	Total/NA	Solid	5035	
890-7644-3	SS 03	Total/NA	Solid	5035	
890-7644-4	SS 04	Total/NA	Solid	5035	
890-7644-5	SS 05	Total/NA	Solid	5035	
890-7644-6	SS 06	Total/NA	Solid	5035	
890-7644-7	SS 07	Total/NA	Solid	5035	
890-7644-8	SS 08	Total/NA	Solid	5035	
890-7644-9	SS 09	Total/NA	Solid	5035	
890-7644-10	SS 10	Total/NA	Solid	5035	
890-7644-11	SS 11	Total/NA	Solid	5035	
890-7644-12	SS 12	Total/NA	Solid	5035	
890-7644-13	SS 13	Total/NA	Solid	5035	
890-7644-14	SS 14	Total/NA	Solid	5035	
MB 880-102327/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102327/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102327/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7644-1 MS	SS 01	Total/NA	Solid	5035	
890-7644-1 MSD	SS 01	Total/NA	Solid	5035	

Analysis Batch: 102362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-1	SS 01	Total/NA	Solid	8021B	102327
890-7644-2	SS 02	Total/NA	Solid	8021B	102327
890-7644-3	SS 03	Total/NA	Solid	8021B	102327
890-7644-4	SS 04	Total/NA	Solid	8021B	102327
890-7644-5	SS 05	Total/NA	Solid	8021B	102327
890-7644-6	SS 06	Total/NA	Solid	8021B	102327
890-7644-7	SS 07	Total/NA	Solid	8021B	102327
890-7644-8	SS 08	Total/NA	Solid	8021B	102327
890-7644-9	SS 09	Total/NA	Solid	8021B	102327
890-7644-10	SS 10	Total/NA	Solid	8021B	102327
890-7644-11	SS 11	Total/NA	Solid	8021B	102327
890-7644-12	SS 12	Total/NA	Solid	8021B	102327
890-7644-13	SS 13	Total/NA	Solid	8021B	102327
890-7644-14	SS 14	Total/NA	Solid	8021B	102327
MB 880-102327/5-A	Method Blank	Total/NA	Solid	8021B	102327
LCS 880-102327/1-A	Lab Control Sample	Total/NA	Solid	8021B	102327
LCSD 880-102327/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102327
890-7644-1 MS	SS 01	Total/NA	Solid	8021B	102327
890-7644-1 MSD	SS 01	Total/NA	Solid	8021B	102327

Analysis Batch: 102487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-1	SS 01	Total/NA	Solid	Total BTEX	
890-7644-2	SS 02	Total/NA	Solid	Total BTEX	
890-7644-3	SS 03	Total/NA	Solid	Total BTEX	
890-7644-4	SS 04	Total/NA	Solid	Total BTEX	
890-7644-5	SS 05	Total/NA	Solid	Total BTEX	
890-7644-6	SS 06	Total/NA	Solid	Total BTEX	
890-7644-7	SS 07	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

GC VOA (Continued)

Analysis Batch: 102487 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-8	SS 08	Total/NA	Solid	Total BTEX	
890-7644-9	SS 09	Total/NA	Solid	Total BTEX	
890-7644-10	SS 10	Total/NA	Solid	Total BTEX	
890-7644-11	SS 11	Total/NA	Solid	Total BTEX	
890-7644-12	SS 12	Total/NA	Solid	Total BTEX	
890-7644-13	SS 13	Total/NA	Solid	Total BTEX	
890-7644-14	SS 14	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 102350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-1	SS 01	Total/NA	Solid	8015NM Prep	
890-7644-2	SS 02	Total/NA	Solid	8015NM Prep	
890-7644-3	SS 03	Total/NA	Solid	8015NM Prep	
890-7644-4	SS 04	Total/NA	Solid	8015NM Prep	
890-7644-5	SS 05	Total/NA	Solid	8015NM Prep	
890-7644-6	SS 06	Total/NA	Solid	8015NM Prep	
890-7644-7	SS 07	Total/NA	Solid	8015NM Prep	
890-7644-8	SS 08	Total/NA	Solid	8015NM Prep	
890-7644-9	SS 09	Total/NA	Solid	8015NM Prep	
890-7644-10	SS 10	Total/NA	Solid	8015NM Prep	
890-7644-11	SS 11	Total/NA	Solid	8015NM Prep	
890-7644-12	SS 12	Total/NA	Solid	8015NM Prep	
MB 880-102350/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102350/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102350/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7651-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7651-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 102351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-13	SS 13	Total/NA	Solid	8015NM Prep	
890-7644-14	SS 14	Total/NA	Solid	8015NM Prep	
MB 880-102351/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102351/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102351/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7644-13 MS	SS 13	Total/NA	Solid	8015NM Prep	
890-7644-13 MSD	SS 13	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-13	SS 13	Total/NA	Solid	8015B NM	102351
890-7644-14	SS 14	Total/NA	Solid	8015B NM	102351
MB 880-102351/1-A	Method Blank	Total/NA	Solid	8015B NM	102351
LCS 880-102351/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102351
LCSD 880-102351/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102351
890-7644-13 MS	SS 13	Total/NA	Solid	8015B NM	102351
890-7644-13 MSD	SS 13	Total/NA	Solid	8015B NM	102351

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QC Association Summary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

GC Semi VOA

Analysis Batch: 102419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-1	SS 01	Total/NA	Solid	8015B NM	102350
890-7644-2	SS 02	Total/NA	Solid	8015B NM	102350
890-7644-3	SS 03	Total/NA	Solid	8015B NM	102350
890-7644-4	SS 04	Total/NA	Solid	8015B NM	102350
890-7644-5	SS 05	Total/NA	Solid	8015B NM	102350
890-7644-6	SS 06	Total/NA	Solid	8015B NM	102350
890-7644-7	SS 07	Total/NA	Solid	8015B NM	102350
890-7644-8	SS 08	Total/NA	Solid	8015B NM	102350
890-7644-9	SS 09	Total/NA	Solid	8015B NM	102350
890-7644-10	SS 10	Total/NA	Solid	8015B NM	102350
890-7644-11	SS 11	Total/NA	Solid	8015B NM	102350
890-7644-12	SS 12	Total/NA	Solid	8015B NM	102350
MB 880-102350/1-A	Method Blank	Total/NA	Solid	8015B NM	102350
LCS 880-102350/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102350
LCSD 880-102350/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102350
890-7651-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	102350
890-7651-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	102350

Analysis Batch: 102464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-1	SS 01	Total/NA	Solid	8015 NM	
890-7644-2	SS 02	Total/NA	Solid	8015 NM	
890-7644-3	SS 03	Total/NA	Solid	8015 NM	
890-7644-4	SS 04	Total/NA	Solid	8015 NM	
890-7644-5	SS 05	Total/NA	Solid	8015 NM	
890-7644-6	SS 06	Total/NA	Solid	8015 NM	
890-7644-7	SS 07	Total/NA	Solid	8015 NM	
890-7644-8	SS 08	Total/NA	Solid	8015 NM	
890-7644-9	SS 09	Total/NA	Solid	8015 NM	
890-7644-10	SS 10	Total/NA	Solid	8015 NM	
890-7644-11	SS 11	Total/NA	Solid	8015 NM	
890-7644-12	SS 12	Total/NA	Solid	8015 NM	
890-7644-13	SS 13	Total/NA	Solid	8015 NM	
890-7644-14	SS 14	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-1	SS 01	Soluble	Solid	DI Leach	
890-7644-2	SS 02	Soluble	Solid	DI Leach	
890-7644-3	SS 03	Soluble	Solid	DI Leach	
890-7644-4	SS 04	Soluble	Solid	DI Leach	
890-7644-5	SS 05	Soluble	Solid	DI Leach	
890-7644-6	SS 06	Soluble	Solid	DI Leach	
890-7644-7	SS 07	Soluble	Solid	DI Leach	
890-7644-8	SS 08	Soluble	Solid	DI Leach	
890-7644-9	SS 09	Soluble	Solid	DI Leach	
890-7644-10	SS 10	Soluble	Solid	DI Leach	
890-7644-11	SS 11	Soluble	Solid	DI Leach	
890-7644-12	SS 12	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

HPLC/IC (Continued)

Leach Batch: 102338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-13	SS 13	Soluble	Solid	DI Leach	
890-7644-14	SS 14	Soluble	Solid	DI Leach	
MB 880-102338/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102338/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102338/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7644-1 MS	SS 01	Soluble	Solid	DI Leach	
890-7644-1 MSD	SS 01	Soluble	Solid	DI Leach	
890-7644-11 MS	SS 11	Soluble	Solid	DI Leach	
890-7644-11 MSD	SS 11	Soluble	Solid	DI Leach	

Analysis Batch: 102370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7644-1	SS 01	Soluble	Solid	300.0	102338
890-7644-2	SS 02	Soluble	Solid	300.0	102338
890-7644-3	SS 03	Soluble	Solid	300.0	102338
890-7644-4	SS 04	Soluble	Solid	300.0	102338
890-7644-5	SS 05	Soluble	Solid	300.0	102338
890-7644-6	SS 06	Soluble	Solid	300.0	102338
890-7644-7	SS 07	Soluble	Solid	300.0	102338
890-7644-8	SS 08	Soluble	Solid	300.0	102338
890-7644-9	SS 09	Soluble	Solid	300.0	102338
890-7644-10	SS 10	Soluble	Solid	300.0	102338
890-7644-11	SS 11	Soluble	Solid	300.0	102338
890-7644-12	SS 12	Soluble	Solid	300.0	102338
890-7644-13	SS 13	Soluble	Solid	300.0	102338
890-7644-14	SS 14	Soluble	Solid	300.0	102338
MB 880-102338/1-A	Method Blank	Soluble	Solid	300.0	102338
LCS 880-102338/2-A	Lab Control Sample	Soluble	Solid	300.0	102338
LCSD 880-102338/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102338
890-7644-1 MS	SS 01	Soluble	Solid	300.0	102338
890-7644-1 MSD	SS 01	Soluble	Solid	300.0	102338
890-7644-11 MS	SS 11	Soluble	Solid	300.0	102338
890-7644-11 MSD	SS 11	Soluble	Solid	300.0	102338

Lab Chronicle

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 01

Lab Sample ID: 890-7644-1

Date Collected: 02/06/25 10:15

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 11:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 14:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 14:42	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	102370	02/10/25 16:08	CH	EET MID

Client Sample ID: SS 02

Lab Sample ID: 890-7644-2

Date Collected: 02/06/25 10:20

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 12:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 12:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 15:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 15:03	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	102370	02/10/25 16:36	CH	EET MID

Client Sample ID: SS 03

Lab Sample ID: 890-7644-3

Date Collected: 02/06/25 10:25

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 12:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 15:43	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	102370	02/10/25 16:45	CH	EET MID

Client Sample ID: SS 04

Lab Sample ID: 890-7644-4

Date Collected: 02/06/25 10:32

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 12:53	AJ	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 04

Lab Sample ID: 890-7644-4

Date Collected: 02/06/25 10:32

Matrix: Solid

Date Received: 02/07/25 08:07

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			102464	02/11/25 16:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 16:04	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 16:54	CH	EET MID

Client Sample ID: SS 05

Lab Sample ID: 890-7644-5

Date Collected: 02/06/25 10:43

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 13:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 16:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 16:25	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	102370	02/10/25 17:03	CH	EET MID

Client Sample ID: SS 06

Lab Sample ID: 890-7644-6

Date Collected: 02/06/25 10:37

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 13:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 13:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 16:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 16:45	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	102370	02/10/25 17:31	CH	EET MID

Client Sample ID: SS 07

Lab Sample ID: 890-7644-7

Date Collected: 02/06/25 10:24

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 13:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 17:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 17:05	AJ	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 07**Lab Sample ID: 890-7644-7****Date Collected: 02/06/25 10:24****Matrix: Solid****Date Received: 02/07/25 08:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 17:40	CH	EET MID

Client Sample ID: SS 08**Lab Sample ID: 890-7644-8****Date Collected: 02/06/25 12:43****Matrix: Solid****Date Received: 02/07/25 08:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 14:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 17:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 17:26	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 17:49	CH	EET MID

Client Sample ID: SS 09**Lab Sample ID: 890-7644-9****Date Collected: 02/06/25 10:14****Matrix: Solid****Date Received: 02/07/25 08:07**

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 14:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 17:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 17:46	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 17:58	CH	EET MID

Client Sample ID: SS 10**Lab Sample ID: 890-7644-10****Date Collected: 02/06/25 10:55****Matrix: Solid****Date Received: 02/07/25 08:07**

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 14:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 14:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 18:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 18:06	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 18:07	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 11

Lab Sample ID: 890-7644-11

Date Collected: 02/06/25 10:33

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 18:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 18:27	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 18:17	CH	EET MID

Client Sample ID: SS 12

Lab Sample ID: 890-7644-12

Date Collected: 02/06/25 10:30

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 16:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 16:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/11/25 18:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102350	02/09/25 21:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102419	02/11/25 18:48	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 18:44	CH	EET MID

Client Sample ID: SS 13

Lab Sample ID: 890-7644-13

Date Collected: 02/06/25 10:37

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 17:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102464	02/10/25 13:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102351	02/09/25 21:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 13:32	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 18:53	CH	EET MID

Client Sample ID: SS 14

Lab Sample ID: 890-7644-14

Date Collected: 02/06/25 10:19

Matrix: Solid

Date Received: 02/07/25 08:07

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	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102487	02/10/25 17:31	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Client Sample ID: SS 14
Date Collected: 02/06/25 10:19
Date Received: 02/07/25 08:07

Lab Sample ID: 890-7644-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			102464	02/10/25 14:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102351	02/09/25 21:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 14:34	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102338	02/07/25 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102370	02/10/25 19:21	CH	EET MID

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

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

Method Summary

Client: Ensolum
Project/Site: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

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: CORONA SWD LINE

Job ID: 890-7644-1
SDG: 03D3836002

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7644-1	SS 01	Solid	02/06/25 10:15	02/07/25 08:07	0.5'
890-7644-2	SS 02	Solid	02/06/25 10:20	02/07/25 08:07	0.5'
890-7644-3	SS 03	Solid	02/06/25 10:25	02/07/25 08:07	0.5'
890-7644-4	SS 04	Solid	02/06/25 10:32	02/07/25 08:07	0.5'
890-7644-5	SS 05	Solid	02/06/25 10:43	02/07/25 08:07	0.5'
890-7644-6	SS 06	Solid	02/06/25 10:37	02/07/25 08:07	0.5'
890-7644-7	SS 07	Solid	02/06/25 10:24	02/07/25 08:07	0.5'
890-7644-8	SS 08	Solid	02/06/25 12:43	02/07/25 08:07	0.5'
890-7644-9	SS 09	Solid	02/06/25 10:14	02/07/25 08:07	0.5'
890-7644-10	SS 10	Solid	02/06/25 10:55	02/07/25 08:07	0.5'
890-7644-11	SS 11	Solid	02/06/25 10:33	02/07/25 08:07	0.5'
890-7644-12	SS 12	Solid	02/06/25 10:30	02/07/25 08:07	0.5'
890-7644-13	SS 13	Solid	02/06/25 10:37	02/07/25 08:07	0.5'
890-7644-14	SS 14	Solid	02/06/25 10:19	02/07/25 08:07	0.5'

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Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	Hadlie Green	Bill to: (if different)	Hadlie Green
Company Name:	Ensolum LLC	Company Name:	Ensolum LLC
Address:	601 N. Marientfield St. STE 400	Address:	601 N. Marientfield St. STE 400
City, State ZIP:	Midland, TX, 79701	City, State ZIP:	Midland, TX, 79701
Phone:	432-557-8895	Email:	

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 Name:	Corona SMD Line	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number:	03D3836002	☒ Routine ☐ Rush																None: NO	DI Water: H ₂ O				
Project Location:		Due Date:																Cool: Cool	MeOH: Me				
Sampler's Name:	Olwale Aderinto	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	HNO ₃ : HN				
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Well Ice:	(Yes) ☒ (No) ☐	Parameters														H ₃ PO ₄ : HP			
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:		Correction Factor:	-0.2													NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes ☒ No ☐	Temperature Reading:			0.4													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes ☒ No ☐	Corrected Temperature:			0.2													Zn Acetate+NaOH: Zn					
Total Containers:																		NaOH+Ascorbic Acid: SAPC					
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																	Sample Comments
SS11	S	2/6/2025	1033	0.5'	G	1	X	X	X														
SS12	S	2/6/2025	1030	0.5'	G	1	X	X	X														
SS13	S	2/6/2025	1037	0.5'	G	1	X	X	X														
SS14	S	2/6/2025	1019	0.5'	G	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 SiO ₂ Na Sn Tl 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>	2/7/2025	<i>[Signature]</i>		<i>[Signature]</i>																		
3																							
5																							

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7644-1

SDG Number: 03D3836002

Login Number: 7644

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7644-1

SDG Number: 03D3836002

Login Number: 7644

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 02/09/25 10:34 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 3/14/2025 9:53:12 AM

JOB DESCRIPTION

Corona SWD Line
Eddy County

JOB NUMBER

890-7795-1

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
3/14/2025 9:53:12 AM

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

Client: Ensolum
Project/Site: Corona SWD Line

Laboratory Job ID: 890-7795-1
SDG: Eddy County

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Definitions/Glossary

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

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
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: Corona SWD Line

Job ID: 890-7795-1

Job ID: 890-7795-1

Eurofins Carlsbad

Job Narrative 890-7795-1

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 3/11/2025 9:14 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 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-7795-1), SS01 (890-7795-2), SS02 (890-7795-3), SS02 (890-7795-4), SS03 (890-7795-5), SS03 (890-7795-6), SS04 (890-7795-7), SS04 (890-7795-8) and SS06 (890-7795-9).

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: SS01 (890-7795-1) and SS04 (890-7795-8). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105128 and analytical batch 880-105148 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.

The associated samples are: (880-55554-A-61-A), (880-55554-A-61-B MS) and (880-55554-A-61-C MSD).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105128 and analytical batch 880-105148 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.

The associated samples are: SS01 (890-7795-1), SS01 (890-7795-2), SS02 (890-7795-3), SS02 (890-7795-4), SS03 (890-7795-5), SS03 (890-7795-6), SS04 (890-7795-7), SS04 (890-7795-8), SS06 (890-7795-9), (880-55556-A-4-A), (880-55556-A-4-B MS) and (880-55556-A-4-C MSD).

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: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS01

Lab Sample ID: 890-7795-1

Date Collected: 03/10/25 10:59

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 1'

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		03/12/25 08:17	03/12/25 14:02	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/12/25 08:17	03/12/25 14:02	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/12/25 08:17	03/12/25 14:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/12/25 08:17	03/12/25 14:02	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/12/25 08:17	03/12/25 14:02	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/12/25 08:17	03/12/25 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/12/25 08:17	03/12/25 14:02	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/12/25 08:17	03/12/25 14:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/12/25 14:02	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			03/13/25 14:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 14:58	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 14:58	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130	03/12/25 08:44	03/13/25 14:58	1
o-Terphenyl	153	S1+	70 - 130	03/12/25 08:44	03/13/25 14:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5020		50.4	mg/Kg			03/13/25 02:44	5

Client Sample ID: SS01

Lab Sample ID: 890-7795-2

Date Collected: 03/10/25 11:39

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/12/25 08:17	03/12/25 14:23	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/12/25 08:17	03/12/25 14:23	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/12/25 08:17	03/12/25 14:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/12/25 08:17	03/12/25 14:23	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/12/25 08:17	03/12/25 14:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/12/25 08:17	03/12/25 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/12/25 08:17	03/12/25 14:23	1

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS01

Lab Sample ID: 890-7795-2

Date Collected: 03/10/25 11:39

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	87		70 - 130	03/12/25 08:17	03/12/25 14:23	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			03/12/25 14:23	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			03/13/25 15:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/12/25 08:44	03/13/25 15:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/12/25 08:44	03/13/25 15:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/12/25 08:44	03/13/25 15:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			03/12/25 08:44	03/13/25 15:14	1
o-Terphenyl	72		70 - 130			03/12/25 08:44	03/13/25 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1760		49.9	mg/Kg			03/13/25 11:16	5

Client Sample ID: SS02

Lab Sample ID: 890-7795-3

Date Collected: 03/10/25 14:43

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/12/25 08:17	03/12/25 14:43	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/12/25 08:17	03/12/25 14:43	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/12/25 08:17	03/12/25 14:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/12/25 08:17	03/12/25 14:43	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/12/25 08:17	03/12/25 14:43	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/12/25 08:17	03/12/25 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	03/12/25 08:17	03/12/25 14:43	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/12/25 08:17	03/12/25 14:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/12/25 14:43	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			03/13/25 15:30	1

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS02

Lab Sample ID: 890-7795-3

Date Collected: 03/10/25 14:43

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 15:30	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 15:30	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 15:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			03/12/25 08:44	03/13/25 15:30	1
o-Terphenyl	73		70 - 130			03/12/25 08:44	03/13/25 15:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6020		99.2	mg/Kg			03/13/25 03:07	10

Client Sample ID: SS02

Lab Sample ID: 890-7795-4

Date Collected: 03/10/25 14:06

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/12/25 08:17	03/12/25 15:04	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/12/25 08:17	03/12/25 15:04	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/12/25 08:17	03/12/25 15:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/12/25 08:17	03/12/25 15:04	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/12/25 08:17	03/12/25 15:04	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/12/25 08:17	03/12/25 15:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			03/12/25 08:17	03/12/25 15:04	1
1,4-Difluorobenzene (Surr)	86		70 - 130			03/12/25 08:17	03/12/25 15:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/12/25 15:04	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			03/13/25 15:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/12/25 08:44	03/13/25 15:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/12/25 08:44	03/13/25 15:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/12/25 08:44	03/13/25 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			03/12/25 08:44	03/13/25 15:46	1
o-Terphenyl	70		70 - 130			03/12/25 08:44	03/13/25 15:46	1

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS02

Lab Sample ID: 890-7795-4

Date Collected: 03/10/25 14:06

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		10.0	mg/Kg			03/13/25 03:13	1

Client Sample ID: SS03

Lab Sample ID: 890-7795-5

Date Collected: 03/10/25 14:06

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 16:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 16:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 16:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/12/25 08:17	03/12/25 16:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 16:38	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/12/25 08:17	03/12/25 16:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			03/12/25 08:17	03/12/25 16:38	1
1,4-Difluorobenzene (Surr)	86		70 - 130			03/12/25 08:17	03/12/25 16:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/12/25 16:38	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			03/13/25 16:19	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	<49.7	U	49.7	mg/Kg		03/12/25 08:44	03/13/25 16:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/12/25 08:44	03/13/25 16:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/12/25 08:44	03/13/25 16:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			03/12/25 08:44	03/13/25 16:19	1
o-Terphenyl	70		70 - 130			03/12/25 08:44	03/13/25 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7050		100	mg/Kg			03/13/25 03:19	10

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS03

Lab Sample ID: 890-7795-6

Date Collected: 03/10/25 11:48

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/12/25 08:17	03/12/25 16:58	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/12/25 08:17	03/12/25 16:58	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/12/25 08:17	03/12/25 16:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/12/25 08:17	03/12/25 16:58	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/12/25 08:17	03/12/25 16:58	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/12/25 08:17	03/12/25 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/12/25 08:17	03/12/25 16:58	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/12/25 08:17	03/12/25 16:58	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			03/12/25 16:58	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			03/13/25 16:35	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	<49.8	U	49.8	mg/Kg		03/12/25 08:44	03/13/25 16:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/12/25 08:44	03/13/25 16:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/12/25 08:44	03/13/25 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	03/12/25 08:44	03/13/25 16:35	1
o-Terphenyl	73		70 - 130	03/12/25 08:44	03/13/25 16:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	418		9.90	mg/Kg			03/13/25 03:25	1

Client Sample ID: SS04

Lab Sample ID: 890-7795-7

Date Collected: 03/10/25 14:19

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 17:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 17:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 17:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/12/25 08:17	03/12/25 17:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 17:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/12/25 08:17	03/12/25 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/12/25 08:17	03/12/25 17:19	1

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS04

Lab Sample ID: 890-7795-7

Date Collected: 03/10/25 14:19

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	87		70 - 130	03/12/25 08:17	03/12/25 17:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/12/25 17:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/13/25 16:51	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	<49.9	U	49.9	mg/Kg		03/12/25 08:44	03/13/25 16:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/12/25 08:44	03/13/25 16:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/12/25 08:44	03/13/25 16:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			03/12/25 08:44	03/13/25 16:51	1
o-Terphenyl	79		70 - 130			03/12/25 08:44	03/13/25 16:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2210		49.5	mg/Kg			03/13/25 03:31	5

Client Sample ID: SS04

Lab Sample ID: 890-7795-8

Date Collected: 03/10/25 14:28

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/12/25 08:17	03/12/25 17:39	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/12/25 08:17	03/12/25 17:39	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/12/25 08:17	03/12/25 17:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/12/25 08:17	03/12/25 17:39	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/12/25 08:17	03/12/25 17:39	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/12/25 08:17	03/12/25 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	03/12/25 08:17	03/12/25 17:39	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/12/25 08:17	03/12/25 17:39	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			03/12/25 17:39	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			03/13/25 17:39	1

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS04

Lab Sample ID: 890-7795-8

Date Collected: 03/10/25 14:28

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		03/12/25 08:44	03/13/25 17:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/12/25 08:44	03/13/25 17:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/12/25 08:44	03/13/25 17:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	191	S1+	70 - 130			03/12/25 08:44	03/13/25 17:39	1
o-Terphenyl	351	S1+	70 - 130			03/12/25 08:44	03/13/25 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		10.1	mg/Kg			03/13/25 03:37	1

Client Sample ID: SS06

Lab Sample ID: 890-7795-9

Date Collected: 03/10/25 14:33

Matrix: Solid

Date Received: 03/11/25 09:14

Sample Depth: 1'

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		03/12/25 08:17	03/12/25 18:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/12/25 08:17	03/12/25 18:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/12/25 08:17	03/12/25 18:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/12/25 08:17	03/12/25 18:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/12/25 08:17	03/12/25 18:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/12/25 08:17	03/12/25 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			03/12/25 08:17	03/12/25 18:00	1
1,4-Difluorobenzene (Surr)	85		70 - 130			03/12/25 08:17	03/12/25 18:00	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			03/12/25 18:00	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			03/13/25 17:55	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	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 17:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 17:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/12/25 08:44	03/13/25 17:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			03/12/25 08:44	03/13/25 17:55	1
o-Terphenyl	80		70 - 130			03/12/25 08:44	03/13/25 17:55	1

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS06
Date Collected: 03/10/25 14:33
Date Received: 03/11/25 09:14
Sample Depth: 1'

Lab Sample ID: 890-7795-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1230		9.92	mg/Kg			03/13/25 03:42	1	

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

Surrogate Summary

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

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)				
890-7795-1	SS01	100	83				
890-7795-2	SS01	98	87				
890-7795-3	SS02	99	89				
890-7795-4	SS02	102	86				
890-7795-5	SS03	102	86				
890-7795-6	SS03	100	90				
890-7795-7	SS04	100	87				
890-7795-8	SS04	96	88				
890-7795-9	SS06	98	85				
890-7798-A-1-E MS	Matrix Spike	101	88				
890-7798-A-1-F MSD	Matrix Spike Duplicate	96	97				
LCS 880-105093/1-A	Lab Control Sample	98	96				
LCSD 880-105093/2-A	Lab Control Sample Dup	95	96				
MB 880-105093/5-A	Method Blank	99	83				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-55494-A-15-C MS	Matrix Spike	81	76				
880-55494-A-15-D MSD	Matrix Spike Duplicate	83	79				
890-7795-1	SS01	163 S1+	153 S1+				
890-7795-2	SS01	86	72				
890-7795-3	SS02	81	73				
890-7795-4	SS02	78	70				
890-7795-5	SS03	77	70				
890-7795-6	SS03	86	73				
890-7795-7	SS04	89	79				
890-7795-8	SS04	191 S1+	351 S1+				
890-7795-9	SS06	93	80				
LCS 880-105105/2-A	Lab Control Sample	109	106				
LCSD 880-105105/3-A	Lab Control Sample Dup	103	102				
MB 880-105105/1-A	Method Blank	103	99				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-105093/5-A

Matrix: Solid

Analysis Batch: 105099

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 105093

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 11:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 11:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/12/25 08:17	03/12/25 11:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/12/25 08:17	03/12/25 11:38	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/12/25 08:17	03/12/25 11:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	03/12/25 08:17	03/12/25 11:38	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/12/25 08:17	03/12/25 11:38	1

Lab Sample ID: LCS 880-105093/1-A

Matrix: Solid

Analysis Batch: 105099

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 105093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.09535		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2058		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130

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

Lab Sample ID: LCSD 880-105093/2-A

Matrix: Solid

Analysis Batch: 105099

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 105093

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1028		mg/Kg		103	70 - 130	0	35
Toluene	0.100	0.09416		mg/Kg		94	70 - 130	1	35
Ethylbenzene	0.100	0.1002		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2029		mg/Kg		101	70 - 130	1	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7798-A-1-E MS

Matrix: Solid

Analysis Batch: 105099

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 105093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08102		mg/Kg		81	70 - 130
Toluene	<0.00200	U	0.100	0.07423		mg/Kg		74	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

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

Lab Sample ID: 890-7798-A-1-E MS

Matrix: Solid

Analysis Batch: 105099

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 105093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07799		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1568		mg/Kg		78	70 - 130
o-Xylene	<0.00200	U	0.100	0.08008		mg/Kg		80	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	88		70 - 130						

Lab Sample ID: 890-7798-A-1-F MSD

Matrix: Solid

Analysis Batch: 105099

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 105093

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	0.09665		mg/Kg		97	70 - 130	18	35
Toluene	<0.00200	U	0.100	0.08845		mg/Kg		88	70 - 130	17	35
Ethylbenzene	<0.00200	U	0.100	0.09360		mg/Kg		94	70 - 130	18	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1882		mg/Kg		94	70 - 130	18	35
o-Xylene	<0.00200	U	0.100	0.09484		mg/Kg		95	70 - 130	17	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	96		70 - 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								

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

Lab Sample ID: MB 880-105105/1-A

Matrix: Solid

Analysis Batch: 105121

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 105105

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		03/12/25 08:44	03/13/25 09:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/12/25 08:44	03/13/25 09:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/12/25 08:44	03/13/25 09:57	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			03/12/25 08:44	03/13/25 09:57	1
o-Terphenyl	99		70 - 130			03/12/25 08:44	03/13/25 09:57	1

Lab Sample ID: LCS 880-105105/2-A

Matrix: Solid

Analysis Batch: 105121

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 105105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	952.7		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	952.9		mg/Kg		95	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-105105/2-A

Matrix: Solid

Analysis Batch: 105121

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 105105

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

Lab Sample ID: LCSD 880-105105/3-A

Matrix: Solid

Analysis Batch: 105121

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 105105

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	946.2		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	927.9		mg/Kg		93	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-55494-A-15-C MS

Matrix: Solid

Analysis Batch: 105121

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 105105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	996	1075		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	996	971.5		mg/Kg		98	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 880-55494-A-15-D MSD

Matrix: Solid

Analysis Batch: 105121

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 105105

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	<49.7	U	996	1021		mg/Kg		102	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.7	U	996	924.4		mg/Kg		93	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	79		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-105128/1-A

Matrix: Solid

Analysis Batch: 105148

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			03/13/25 00:46	1

Lab Sample ID: LCS 880-105128/2-A

Matrix: Solid

Analysis Batch: 105148

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-105128/3-A

Matrix: Solid

Analysis Batch: 105148

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	253.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-55554-A-61-B MS

Matrix: Solid

Analysis Batch: 105148

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	4200	F1	1260	6505	F1	mg/Kg		183	90 - 110

Lab Sample ID: 880-55554-A-61-C MSD

Matrix: Solid

Analysis Batch: 105148

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	4200	F1	1260	6538	F1	mg/Kg		185	90 - 110	0	20

Lab Sample ID: 880-55556-A-4-B MS

Matrix: Solid

Analysis Batch: 105148

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	101	F1	252	396.2	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-55556-A-4-C MSD

Matrix: Solid

Analysis Batch: 105148

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	101	F1	252	396.7	F1	mg/Kg		117	90 - 110	0	20

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QC Association Summary

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

GC VOA

Prep Batch: 105093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-1	SS01	Total/NA	Solid	5035	
890-7795-2	SS01	Total/NA	Solid	5035	
890-7795-3	SS02	Total/NA	Solid	5035	
890-7795-4	SS02	Total/NA	Solid	5035	
890-7795-5	SS03	Total/NA	Solid	5035	
890-7795-6	SS03	Total/NA	Solid	5035	
890-7795-7	SS04	Total/NA	Solid	5035	
890-7795-8	SS04	Total/NA	Solid	5035	
890-7795-9	SS06	Total/NA	Solid	5035	
MB 880-105093/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-105093/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-105093/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7798-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-7798-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 105099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-1	SS01	Total/NA	Solid	8021B	105093
890-7795-2	SS01	Total/NA	Solid	8021B	105093
890-7795-3	SS02	Total/NA	Solid	8021B	105093
890-7795-4	SS02	Total/NA	Solid	8021B	105093
890-7795-5	SS03	Total/NA	Solid	8021B	105093
890-7795-6	SS03	Total/NA	Solid	8021B	105093
890-7795-7	SS04	Total/NA	Solid	8021B	105093
890-7795-8	SS04	Total/NA	Solid	8021B	105093
890-7795-9	SS06	Total/NA	Solid	8021B	105093
MB 880-105093/5-A	Method Blank	Total/NA	Solid	8021B	105093
LCS 880-105093/1-A	Lab Control Sample	Total/NA	Solid	8021B	105093
LCSD 880-105093/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105093
890-7798-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	105093
890-7798-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	105093

Analysis Batch: 105164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-1	SS01	Total/NA	Solid	Total BTEX	
890-7795-2	SS01	Total/NA	Solid	Total BTEX	
890-7795-3	SS02	Total/NA	Solid	Total BTEX	
890-7795-4	SS02	Total/NA	Solid	Total BTEX	
890-7795-5	SS03	Total/NA	Solid	Total BTEX	
890-7795-6	SS03	Total/NA	Solid	Total BTEX	
890-7795-7	SS04	Total/NA	Solid	Total BTEX	
890-7795-8	SS04	Total/NA	Solid	Total BTEX	
890-7795-9	SS06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 105105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-1	SS01	Total/NA	Solid	8015NM Prep	
890-7795-2	SS01	Total/NA	Solid	8015NM Prep	
890-7795-3	SS02	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 105105 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-4	SS02	Total/NA	Solid	8015NM Prep	
890-7795-5	SS03	Total/NA	Solid	8015NM Prep	
890-7795-6	SS03	Total/NA	Solid	8015NM Prep	
890-7795-7	SS04	Total/NA	Solid	8015NM Prep	
890-7795-8	SS04	Total/NA	Solid	8015NM Prep	
890-7795-9	SS06	Total/NA	Solid	8015NM Prep	
MB 880-105105/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105105/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-105105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-55494-A-15-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-55494-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 105121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-1	SS01	Total/NA	Solid	8015B NM	105105
890-7795-2	SS01	Total/NA	Solid	8015B NM	105105
890-7795-3	SS02	Total/NA	Solid	8015B NM	105105
890-7795-4	SS02	Total/NA	Solid	8015B NM	105105
890-7795-5	SS03	Total/NA	Solid	8015B NM	105105
890-7795-6	SS03	Total/NA	Solid	8015B NM	105105
890-7795-7	SS04	Total/NA	Solid	8015B NM	105105
890-7795-8	SS04	Total/NA	Solid	8015B NM	105105
890-7795-9	SS06	Total/NA	Solid	8015B NM	105105
MB 880-105105/1-A	Method Blank	Total/NA	Solid	8015B NM	105105
LCS 880-105105/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105105
LCSD 880-105105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105105
880-55494-A-15-C MS	Matrix Spike	Total/NA	Solid	8015B NM	105105
880-55494-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	105105

Analysis Batch: 105308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-1	SS01	Total/NA	Solid	8015 NM	
890-7795-2	SS01	Total/NA	Solid	8015 NM	
890-7795-3	SS02	Total/NA	Solid	8015 NM	
890-7795-4	SS02	Total/NA	Solid	8015 NM	
890-7795-5	SS03	Total/NA	Solid	8015 NM	
890-7795-6	SS03	Total/NA	Solid	8015 NM	
890-7795-7	SS04	Total/NA	Solid	8015 NM	
890-7795-8	SS04	Total/NA	Solid	8015 NM	
890-7795-9	SS06	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 105128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-1	SS01	Soluble	Solid	DI Leach	
890-7795-2	SS01	Soluble	Solid	DI Leach	
890-7795-3	SS02	Soluble	Solid	DI Leach	
890-7795-4	SS02	Soluble	Solid	DI Leach	
890-7795-5	SS03	Soluble	Solid	DI Leach	
890-7795-6	SS03	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 105128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-7	SS04	Soluble	Solid	DI Leach	
890-7795-8	SS04	Soluble	Solid	DI Leach	
890-7795-9	SS06	Soluble	Solid	DI Leach	
MB 880-105128/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-105128/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-105128/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55554-A-61-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-55554-A-61-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-55556-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-55556-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 105148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7795-1	SS01	Soluble	Solid	300.0	105128
890-7795-2	SS01	Soluble	Solid	300.0	105128
890-7795-3	SS02	Soluble	Solid	300.0	105128
890-7795-4	SS02	Soluble	Solid	300.0	105128
890-7795-5	SS03	Soluble	Solid	300.0	105128
890-7795-6	SS03	Soluble	Solid	300.0	105128
890-7795-7	SS04	Soluble	Solid	300.0	105128
890-7795-8	SS04	Soluble	Solid	300.0	105128
890-7795-9	SS06	Soluble	Solid	300.0	105128
MB 880-105128/1-A	Method Blank	Soluble	Solid	300.0	105128
LCS 880-105128/2-A	Lab Control Sample	Soluble	Solid	300.0	105128
LCSD 880-105128/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	105128
880-55554-A-61-B MS	Matrix Spike	Soluble	Solid	300.0	105128
880-55554-A-61-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	105128
880-55556-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	105128
880-55556-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	105128

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Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS01**Lab Sample ID: 890-7795-1****Date Collected: 03/10/25 10:59****Matrix: Solid****Date Received: 03/11/25 09:14**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 14:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 14:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105308	03/13/25 14:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 14:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105148	03/13/25 02:44	SMC	EET MID

Client Sample ID: SS01**Lab Sample ID: 890-7795-2****Date Collected: 03/10/25 11:39****Matrix: Solid****Date Received: 03/11/25 09:14**

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	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 14:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 14:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105308	03/13/25 15:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 15:14	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105148	03/13/25 11:16	SMC	EET MID

Client Sample ID: SS02**Lab Sample ID: 890-7795-3****Date Collected: 03/10/25 14:43****Matrix: Solid****Date Received: 03/11/25 09:14**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 14:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105308	03/13/25 15:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 15:30	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	105148	03/13/25 03:07	SMC	EET MID

Client Sample ID: SS02**Lab Sample ID: 890-7795-4****Date Collected: 03/10/25 14:06****Matrix: Solid****Date Received: 03/11/25 09:14**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 15:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 15:04	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS02

Lab Sample ID: 890-7795-4

Date Collected: 03/10/25 14:06

Matrix: Solid

Date Received: 03/11/25 09:14

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			105308	03/13/25 15:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 15:46	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105148	03/13/25 03:13	SMC	EET MID

Client Sample ID: SS03

Lab Sample ID: 890-7795-5

Date Collected: 03/10/25 14:06

Matrix: Solid

Date Received: 03/11/25 09:14

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	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 16:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 16:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105308	03/13/25 16:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 16:19	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	105148	03/13/25 03:19	SMC	EET MID

Client Sample ID: SS03

Lab Sample ID: 890-7795-6

Date Collected: 03/10/25 11:48

Matrix: Solid

Date Received: 03/11/25 09:14

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	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 16:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105308	03/13/25 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 16:35	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105148	03/13/25 03:25	SMC	EET MID

Client Sample ID: SS04

Lab Sample ID: 890-7795-7

Date Collected: 03/10/25 14:19

Matrix: Solid

Date Received: 03/11/25 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 17:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 17:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105308	03/13/25 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 16:51	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Client Sample ID: SS04

Lab Sample ID: 890-7795-7

Date Collected: 03/10/25 14:19

Matrix: Solid

Date Received: 03/11/25 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105148	03/13/25 03:31	SMC	EET MID

Client Sample ID: SS04

Lab Sample ID: 890-7795-8

Date Collected: 03/10/25 14:28

Matrix: Solid

Date Received: 03/11/25 09:14

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	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 17:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105308	03/13/25 17:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 17:39	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105148	03/13/25 03:37	SMC	EET MID

Client Sample ID: SS06

Lab Sample ID: 890-7795-9

Date Collected: 03/10/25 14:33

Matrix: Solid

Date Received: 03/11/25 09:14

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	105093	03/12/25 08:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105099	03/12/25 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105164	03/12/25 18:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105308	03/13/25 17:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	105105	03/12/25 08:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105121	03/13/25 17:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	105128	03/12/25 11:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105148	03/13/25 03:42	SMC	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

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

Method Summary

Client: Ensolum
Project/Site: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

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: Corona SWD Line

Job ID: 890-7795-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7795-1	SS01	Solid	03/10/25 10:59	03/11/25 09:14	1'
890-7795-2	SS01	Solid	03/10/25 11:39	03/11/25 09:14	2'
890-7795-3	SS02	Solid	03/10/25 14:43	03/11/25 09:14	1'
890-7795-4	SS02	Solid	03/10/25 14:06	03/11/25 09:14	2'
890-7795-5	SS03	Solid	03/10/25 14:06	03/11/25 09:14	1'
890-7795-6	SS03	Solid	03/10/25 11:48	03/11/25 09:14	3'
890-7795-7	SS04	Solid	03/10/25 14:19	03/11/25 09:14	1'
890-7795-8	SS04	Solid	03/10/25 14:28	03/11/25 09:14	2'
890-7795-9	SS06	Solid	03/10/25 14:33	03/11/25 09:14	1'



Environment Testing
Xenco

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

Chain of Custody

Wc 890-7795 Chain of Custody



www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	Hadlie Green
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N. Marientfield St. STE 400	Address:	601 N. Marientfield St. STE 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-557-8895	Email:	hgreen@ensolum.com

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 Name:	Corona SWD Line	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number:	03D3836002	Due Date:														None: NO	DI Water: H ₂ O
Project Location:	Eddy County															Cool: Cool	MAOH: Me
Sample's Name:	Higinio Gonzalez, Aboubakar Kane	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN
PO #:		Temp Blank:	☒ Yes ☐ No	Wet Ice:	☒ Yes ☐ No											H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Samples Received Intact:	☒ Yes ☐ No	Thermometer ID:	776007											H ₃ PO ₄ : HP	
Cooler Custody Seals:	☒ Yes ☐ No	Correction Factor:	N/A											NaHSO ₄ : NABIS			
Sample Custody Seals:	☒ Yes ☐ No	Temperature Reading:	3.2											Na ₂ S ₂ O ₃ : NaSO ₃			
Total Containers:		Corrected Temperature:	3.0											Zn Acetate+NaOH: Zn			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	TPH	BTEX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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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
		9.14.11			

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7795-1

SDG Number: Eddy County

Login Number: 7795

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.	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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7795-1

SDG Number: Eddy County

Login Number: 7795

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 03/12/25 07:47 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 6/10/2025 10:10:50 PM Revision 1

JOB DESCRIPTION

CORONA SWD
03D3836002

JOB NUMBER

890-8261-1

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



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

Generated
6/10/2025 10:10:50 PM
Revision 1

Client: Ensolum
Project/Site: CORONA SWD

Laboratory Job ID: 890-8261-1
SDG: 03D3836002

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Definitions/Glossary

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: CORONA SWD

Job ID: 890-8261-1

Job ID: 890-8261-1

Eurofins Carlsbad

Job Narrative 890-8261-1

REVISION

The report being provided is a revision of the original report sent on 6/5/2025. The report (revision 1) is being revised due to Revised report to add additional analysis per client request..

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 6/3/2025 8:15 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 4.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW 01 (890-8261-1), SW 02 (890-8261-2), SW 03 (890-8261-3), SW 04 (890-8261-4), SW 05 (890-8261-5), FS 13 (890-8261-6) and FS 18 (890-8261-7).

GC VOA

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

Diesel Range Organics

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 880-111509 and analytical batch 880-111525 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: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: SW 01

Lab Sample ID: 890-8261-1

Date Collected: 05/30/25 13:10

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/06/25 09:08	06/06/25 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/06/25 09:08	06/06/25 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/06/25 09:08	06/06/25 12:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/06/25 09:08	06/06/25 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/06/25 09:08	06/06/25 12:07	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/06/25 09:08	06/06/25 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/06/25 09:08	06/06/25 12:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/06/25 09:08	06/06/25 12:07	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			06/06/25 12:07	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			06/07/25 00:50	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	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 00:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 00:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	06/05/25 15:34	06/07/25 00:50	1
o-Terphenyl	120		70 - 130	06/05/25 15:34	06/07/25 00:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		10.0	mg/Kg			06/04/25 21:31	1

Client Sample ID: SW 02

Lab Sample ID: 890-8261-2

Date Collected: 05/29/25 10:30

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/06/25 09:08	06/06/25 12:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/06/25 09:08	06/06/25 12:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/06/25 09:08	06/06/25 12:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/06/25 09:08	06/06/25 12:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/06/25 09:08	06/06/25 12:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/06/25 09:08	06/06/25 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/06/25 09:08	06/06/25 12:27	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: SW 02

Lab Sample ID: 890-8261-2

Date Collected: 05/29/25 10:30

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 0-2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	06/06/25 09:08	06/06/25 12:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/06/25 12:27	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			06/07/25 01:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 01:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 01:35	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 01:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			06/05/25 15:34	06/07/25 01:35	1
o-Terphenyl	119		70 - 130			06/05/25 15:34	06/07/25 01:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		9.90	mg/Kg			06/04/25 21:39	1

Client Sample ID: SW 03

Lab Sample ID: 890-8261-3

Date Collected: 05/29/25 10:33

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/06/25 09:08	06/06/25 12:48	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/06/25 09:08	06/06/25 12:48	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/06/25 09:08	06/06/25 12:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/06/25 09:08	06/06/25 12:48	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/06/25 09:08	06/06/25 12:48	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/06/25 09:08	06/06/25 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/06/25 09:08	06/06/25 12:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/06/25 09:08	06/06/25 12:48	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			06/06/25 12:48	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			06/07/25 01:51	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: SW 03

Lab Sample ID: 890-8261-3

Date Collected: 05/29/25 10:33

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		06/05/25 15:34	06/07/25 01:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/05/25 15:34	06/07/25 01:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/05/25 15:34	06/07/25 01:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			06/05/25 15:34	06/07/25 01:51	1
o-Terphenyl	112		70 - 130			06/05/25 15:34	06/07/25 01:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		10.1	mg/Kg			06/04/25 22:01	1

Client Sample ID: SW 04

Lab Sample ID: 890-8261-4

Date Collected: 05/29/25 10:36

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 0-3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/06/25 09:08	06/06/25 13:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/06/25 09:08	06/06/25 13:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/06/25 09:08	06/06/25 13:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/06/25 09:08	06/06/25 13:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/06/25 09:08	06/06/25 13:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/06/25 09:08	06/06/25 13:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/06/25 09:08	06/06/25 13:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130			06/06/25 09:08	06/06/25 13:08	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			06/06/25 13:08	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			06/07/25 02:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/05/25 15:34	06/07/25 02:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/05/25 15:34	06/07/25 02:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/05/25 15:34	06/07/25 02:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			06/05/25 15:34	06/07/25 02:05	1
o-Terphenyl	119		70 - 130			06/05/25 15:34	06/07/25 02:05	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: SW 04

Lab Sample ID: 890-8261-4

Date Collected: 05/29/25 10:36

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 0-3'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		9.94	mg/Kg			06/04/25 22:08	1

Client Sample ID: SW 05

Lab Sample ID: 890-8261-5

Date Collected: 05/29/25 10:39

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 0-3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/06/25 09:08	06/06/25 13:29	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/06/25 09:08	06/06/25 13:29	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/06/25 09:08	06/06/25 13:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/06/25 09:08	06/06/25 13:29	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/06/25 09:08	06/06/25 13:29	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/06/25 09:08	06/06/25 13:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			06/06/25 09:08	06/06/25 13:29	1
1,4-Difluorobenzene (Surr)	98		70 - 130			06/06/25 09:08	06/06/25 13:29	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			06/06/25 13:29	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			06/07/25 02:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/05/25 15:34	06/07/25 02:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/05/25 15:34	06/07/25 02:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/05/25 15:34	06/07/25 02:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			06/05/25 15:34	06/07/25 02:20	1
o-Terphenyl	119		70 - 130			06/05/25 15:34	06/07/25 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.1	mg/Kg			06/04/25 22:15	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: FS 13

Lab Sample ID: 890-8261-6

Date Collected: 05/29/25 13:43

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/06/25 09:08	06/06/25 13:49	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/06/25 09:08	06/06/25 13:49	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/06/25 09:08	06/06/25 13:49	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/06/25 09:08	06/06/25 13:49	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/06/25 09:08	06/06/25 13:49	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/06/25 09:08	06/06/25 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/06/25 09:08	06/06/25 13:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/06/25 09:08	06/06/25 13:49	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			06/06/25 13:49	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			06/07/25 02:35	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	<49.8	U	49.8	mg/Kg		06/05/25 15:34	06/07/25 02:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/05/25 15:34	06/07/25 02:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/05/25 15:34	06/07/25 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	06/05/25 15:34	06/07/25 02:35	1
o-Terphenyl	118		70 - 130	06/05/25 15:34	06/07/25 02:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		9.90	mg/Kg			06/04/25 22:22	1

Client Sample ID: FS 18

Lab Sample ID: 890-8261-7

Date Collected: 05/29/25 13:51

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 2'

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		06/06/25 09:08	06/06/25 14:10	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/06/25 09:08	06/06/25 14:10	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/06/25 09:08	06/06/25 14:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/06/25 09:08	06/06/25 14:10	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/06/25 09:08	06/06/25 14:10	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/06/25 09:08	06/06/25 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/06/25 09:08	06/06/25 14:10	1

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Client Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: FS 18

Lab Sample ID: 890-8261-7

Date Collected: 05/29/25 13:51

Matrix: Solid

Date Received: 06/03/25 08:15

Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	06/06/25 09:08	06/06/25 14:10	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			06/06/25 14:10	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			06/07/25 02:50	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	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 02:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 02:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 02:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			06/05/25 15:34	06/07/25 02:50	1
o-Terphenyl	122		70 - 130			06/05/25 15:34	06/07/25 02:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	384		10.0	mg/Kg			06/04/25 22:30	1

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Surrogate Summary

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

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)
890-8261-1	SW 01	97	95
890-8261-1 MS	SW 01	91	89
890-8261-1 MSD	SW 01	91	91
890-8261-2	SW 02	98	98
890-8261-3	SW 03	98	99
890-8261-4	SW 04	102	101
890-8261-5	SW 05	100	98
890-8261-6	FS 13	99	97
890-8261-7	FS 18	99	96
LCS 880-111647/1-A	Lab Control Sample	92	90
LCSD 880-111647/2-A	Lab Control Sample Dup	93	93
MB 880-111647/5-A	Method Blank	93	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8261-1	SW 01	115	120
890-8261-1 MS	SW 01	115	115
890-8261-1 MSD	SW 01	119	118
890-8261-2	SW 02	115	119
890-8261-3	SW 03	113	112
890-8261-4	SW 04	117	119
890-8261-5	SW 05	115	119
890-8261-6	FS 13	112	118
890-8261-7	FS 18	117	122
LCS 880-111637/2-A	Lab Control Sample	101	98
LCSD 880-111637/3-A	Lab Control Sample Dup	103	99
MB 880-111637/1-A	Method Blank	83	87

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111647/5-A

Matrix: Solid

Analysis Batch: 111641

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111647

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/06/25 09:08	06/06/25 11:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/06/25 09:08	06/06/25 11:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/06/25 09:08	06/06/25 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/06/25 09:08	06/06/25 11:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/06/25 09:08	06/06/25 11:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/06/25 09:08	06/06/25 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/06/25 09:08	06/06/25 11:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/06/25 09:08	06/06/25 11:46	1

Lab Sample ID: LCS 880-111647/1-A

Matrix: Solid

Analysis Batch: 111641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08728		mg/Kg		87	70 - 130
Toluene	0.100	0.08127		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08595		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1730		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08822		mg/Kg		88	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 880-111647/2-A

Matrix: Solid

Analysis Batch: 111641

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1070		mg/Kg		107	70 - 130	20	35
Toluene	0.100	0.09750		mg/Kg		98	70 - 130	18	35
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130	20	35
m-Xylene & p-Xylene	0.200	0.2098		mg/Kg		105	70 - 130	19	35
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	18	35

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

Lab Sample ID: 890-8261-1 MS

Matrix: Solid

Analysis Batch: 111641

Client Sample ID: SW 01

Prep Type: Total/NA

Prep Batch: 111647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09820		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.100	0.08870		mg/Kg		89	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

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

Lab Sample ID: 890-8261-1 MS

Matrix: Solid

Analysis Batch: 111641

Client Sample ID: SW 01

Prep Type: Total/NA

Prep Batch: 111647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09312		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1881		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.100	0.09438		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-8261-1 MSD

Matrix: Solid

Analysis Batch: 111641

Client Sample ID: SW 01

Prep Type: Total/NA

Prep Batch: 111647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09665		mg/Kg		97	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08970		mg/Kg		90	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09254		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1852		mg/Kg		93	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09263		mg/Kg		93	70 - 130	2	35

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

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

Lab Sample ID: MB 880-111637/1-A

Matrix: Solid

Analysis Batch: 111716

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111637

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		06/05/25 15:34	06/07/25 00:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/05/25 15:34	06/07/25 00:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/05/25 15:34	06/07/25 00:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	06/05/25 15:34	06/07/25 00:04	1
o-Terphenyl	87		70 - 130	06/05/25 15:34	06/07/25 00:04	1

Lab Sample ID: LCS 880-111637/2-A

Matrix: Solid

Analysis Batch: 111716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	981.5		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	866.0		mg/Kg		87	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

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

Lab Sample ID: LCS 880-111637/2-A

Matrix: Solid

Analysis Batch: 111716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111637

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-111637/3-A

Matrix: Solid

Analysis Batch: 111716

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111637

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	999.9		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	878.3		mg/Kg		88	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-8261-1 MS

Matrix: Solid

Analysis Batch: 111716

Client Sample ID: SW 01

Prep Type: Total/NA

Prep Batch: 111637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	768.6		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	763.8		mg/Kg		76	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 890-8261-1 MSD

Matrix: Solid

Analysis Batch: 111716

Client Sample ID: SW 01

Prep Type: Total/NA

Prep Batch: 111637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	817.2		mg/Kg		82	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	791.0		mg/Kg		79	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	118		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111509/1-A

Matrix: Solid

Analysis Batch: 111525

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			06/04/25 20:33	1

Lab Sample ID: LCS 880-111509/2-A

Matrix: Solid

Analysis Batch: 111525

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.7		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-111509/3-A

Matrix: Solid

Analysis Batch: 111525

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	254.4		mg/Kg		102	90 - 110	5	20

Lab Sample ID: 890-8263-A-1-F MS

Matrix: Solid

Analysis Batch: 111525

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	156	F1	248	483.1	F1	mg/Kg		132	90 - 110

Lab Sample ID: 890-8263-A-1-G MSD

Matrix: Solid

Analysis Batch: 111525

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	156	F1	248	482.0	F1	mg/Kg		132	90 - 110	0	20

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QC Association Summary

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

GC VOA

Analysis Batch: 111641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-1	SW 01	Total/NA	Solid	8021B	111647
890-8261-2	SW 02	Total/NA	Solid	8021B	111647
890-8261-3	SW 03	Total/NA	Solid	8021B	111647
890-8261-4	SW 04	Total/NA	Solid	8021B	111647
890-8261-5	SW 05	Total/NA	Solid	8021B	111647
890-8261-6	FS 13	Total/NA	Solid	8021B	111647
890-8261-7	FS 18	Total/NA	Solid	8021B	111647
MB 880-111647/5-A	Method Blank	Total/NA	Solid	8021B	111647
LCS 880-111647/1-A	Lab Control Sample	Total/NA	Solid	8021B	111647
LCSD 880-111647/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111647
890-8261-1 MS	SW 01	Total/NA	Solid	8021B	111647
890-8261-1 MSD	SW 01	Total/NA	Solid	8021B	111647

Prep Batch: 111647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-1	SW 01	Total/NA	Solid	5035	
890-8261-2	SW 02	Total/NA	Solid	5035	
890-8261-3	SW 03	Total/NA	Solid	5035	
890-8261-4	SW 04	Total/NA	Solid	5035	
890-8261-5	SW 05	Total/NA	Solid	5035	
890-8261-6	FS 13	Total/NA	Solid	5035	
890-8261-7	FS 18	Total/NA	Solid	5035	
MB 880-111647/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111647/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111647/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8261-1 MS	SW 01	Total/NA	Solid	5035	
890-8261-1 MSD	SW 01	Total/NA	Solid	5035	

Analysis Batch: 111812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-1	SW 01	Total/NA	Solid	Total BTEX	
890-8261-2	SW 02	Total/NA	Solid	Total BTEX	
890-8261-3	SW 03	Total/NA	Solid	Total BTEX	
890-8261-4	SW 04	Total/NA	Solid	Total BTEX	
890-8261-5	SW 05	Total/NA	Solid	Total BTEX	
890-8261-6	FS 13	Total/NA	Solid	Total BTEX	
890-8261-7	FS 18	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-1	SW 01	Total/NA	Solid	8015NM Prep	
890-8261-2	SW 02	Total/NA	Solid	8015NM Prep	
890-8261-3	SW 03	Total/NA	Solid	8015NM Prep	
890-8261-4	SW 04	Total/NA	Solid	8015NM Prep	
890-8261-5	SW 05	Total/NA	Solid	8015NM Prep	
890-8261-6	FS 13	Total/NA	Solid	8015NM Prep	
890-8261-7	FS 18	Total/NA	Solid	8015NM Prep	
MB 880-111637/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111637/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

GC Semi VOA (Continued)

Prep Batch: 111637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-111637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8261-1 MS	SW 01	Total/NA	Solid	8015NM Prep	
890-8261-1 MSD	SW 01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-1	SW 01	Total/NA	Solid	8015B NM	111637
890-8261-2	SW 02	Total/NA	Solid	8015B NM	111637
890-8261-3	SW 03	Total/NA	Solid	8015B NM	111637
890-8261-4	SW 04	Total/NA	Solid	8015B NM	111637
890-8261-5	SW 05	Total/NA	Solid	8015B NM	111637
890-8261-6	FS 13	Total/NA	Solid	8015B NM	111637
890-8261-7	FS 18	Total/NA	Solid	8015B NM	111637
MB 880-111637/1-A	Method Blank	Total/NA	Solid	8015B NM	111637
LCS 880-111637/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111637
LCSD 880-111637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111637
890-8261-1 MS	SW 01	Total/NA	Solid	8015B NM	111637
890-8261-1 MSD	SW 01	Total/NA	Solid	8015B NM	111637

Analysis Batch: 111805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-1	SW 01	Total/NA	Solid	8015 NM	
890-8261-2	SW 02	Total/NA	Solid	8015 NM	
890-8261-3	SW 03	Total/NA	Solid	8015 NM	
890-8261-4	SW 04	Total/NA	Solid	8015 NM	
890-8261-5	SW 05	Total/NA	Solid	8015 NM	
890-8261-6	FS 13	Total/NA	Solid	8015 NM	
890-8261-7	FS 18	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-1	SW 01	Soluble	Solid	DI Leach	
890-8261-2	SW 02	Soluble	Solid	DI Leach	
890-8261-3	SW 03	Soluble	Solid	DI Leach	
890-8261-4	SW 04	Soluble	Solid	DI Leach	
890-8261-5	SW 05	Soluble	Solid	DI Leach	
890-8261-6	FS 13	Soluble	Solid	DI Leach	
890-8261-7	FS 18	Soluble	Solid	DI Leach	
MB 880-111509/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111509/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111509/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8263-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8263-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 111525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-1	SW 01	Soluble	Solid	300.0	111509
890-8261-2	SW 02	Soluble	Solid	300.0	111509
890-8261-3	SW 03	Soluble	Solid	300.0	111509

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QC Association Summary

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

HPLC/IC (Continued)

Analysis Batch: 111525 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8261-4	SW 04	Soluble	Solid	300.0	111509
890-8261-5	SW 05	Soluble	Solid	300.0	111509
890-8261-6	FS 13	Soluble	Solid	300.0	111509
890-8261-7	FS 18	Soluble	Solid	300.0	111509
MB 880-111509/1-A	Method Blank	Soluble	Solid	300.0	111509
LCS 880-111509/2-A	Lab Control Sample	Soluble	Solid	300.0	111509
LCSD 880-111509/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111509
890-8263-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	111509
890-8263-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	111509

Lab Chronicle

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: SW 01**Lab Sample ID: 890-8261-1****Date Collected: 05/30/25 13:10****Matrix: Solid****Date Received: 06/03/25 08:15**

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	111647	06/06/25 09:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111641	06/06/25 12:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111812	06/06/25 12:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			111805	06/07/25 00:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111637	06/05/25 15:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111716	06/07/25 00:50	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111509	06/04/25 13:05	SI	EET MID
Soluble	Analysis	300.0		1			111525	06/04/25 21:31	CH	EET MID

Client Sample ID: SW 02**Lab Sample ID: 890-8261-2****Date Collected: 05/29/25 10:30****Matrix: Solid****Date Received: 06/03/25 08:15**

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	111647	06/06/25 09:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111641	06/06/25 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111812	06/06/25 12:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			111805	06/07/25 01:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111637	06/05/25 15:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111716	06/07/25 01:35	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111509	06/04/25 13:05	SI	EET MID
Soluble	Analysis	300.0		1			111525	06/04/25 21:39	CH	EET MID

Client Sample ID: SW 03**Lab Sample ID: 890-8261-3****Date Collected: 05/29/25 10:33****Matrix: Solid****Date Received: 06/03/25 08:15**

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	111647	06/06/25 09:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111641	06/06/25 12:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111812	06/06/25 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			111805	06/07/25 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111637	06/05/25 15:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111716	06/07/25 01:51	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111509	06/04/25 13:05	SI	EET MID
Soluble	Analysis	300.0		1			111525	06/04/25 22:01	CH	EET MID

Client Sample ID: SW 04**Lab Sample ID: 890-8261-4****Date Collected: 05/29/25 10:36****Matrix: Solid****Date Received: 06/03/25 08:15**

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	111647	06/06/25 09:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111641	06/06/25 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111812	06/06/25 13:08	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: SW 04**Lab Sample ID: 890-8261-4****Date Collected: 05/29/25 10:36****Matrix: Solid****Date Received: 06/03/25 08:15**

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			111805	06/07/25 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111637	06/05/25 15:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111716	06/07/25 02:05	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111509	06/04/25 13:05	SI	EET MID
Soluble	Analysis	300.0		1			111525	06/04/25 22:08	CH	EET MID

Client Sample ID: SW 05**Lab Sample ID: 890-8261-5****Date Collected: 05/29/25 10:39****Matrix: Solid****Date Received: 06/03/25 08:15**

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	111647	06/06/25 09:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111641	06/06/25 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111812	06/06/25 13:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			111805	06/07/25 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111637	06/05/25 15:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111716	06/07/25 02:20	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111509	06/04/25 13:05	SI	EET MID
Soluble	Analysis	300.0		1			111525	06/04/25 22:15	CH	EET MID

Client Sample ID: FS 13**Lab Sample ID: 890-8261-6****Date Collected: 05/29/25 13:43****Matrix: Solid****Date Received: 06/03/25 08:15**

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	111647	06/06/25 09:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111641	06/06/25 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111812	06/06/25 13:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			111805	06/07/25 02:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111637	06/05/25 15:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111716	06/07/25 02:35	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111509	06/04/25 13:05	SI	EET MID
Soluble	Analysis	300.0		1			111525	06/04/25 22:22	CH	EET MID

Client Sample ID: FS 18**Lab Sample ID: 890-8261-7****Date Collected: 05/29/25 13:51****Matrix: Solid****Date Received: 06/03/25 08:15**

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	111647	06/06/25 09:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111641	06/06/25 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111812	06/06/25 14:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			111805	06/07/25 02:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111637	06/05/25 15:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111716	06/07/25 02:50	TKC	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Client Sample ID: FS 18
Date Collected: 05/29/25 13:51
Date Received: 06/03/25 08:15

Lab Sample ID: 890-8261-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	111509	06/04/25 13:05	SI	EET MID
Soluble	Analysis	300.0		1			111525	06/04/25 22:30	CH	EET MID

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

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

Method Summary

Client: Ensolum
Project/Site: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

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: CORONA SWD

Job ID: 890-8261-1
SDG: 03D3836002

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8261-1	SW 01	Solid	05/30/25 13:10	06/03/25 08:15	0-2'
890-8261-2	SW 02	Solid	05/29/25 10:30	06/03/25 08:15	0-2'
890-8261-3	SW 03	Solid	05/29/25 10:33	06/03/25 08:15	0-2'
890-8261-4	SW 04	Solid	05/29/25 10:36	06/03/25 08:15	0-3'
890-8261-5	SW 05	Solid	05/29/25 10:39	06/03/25 08:15	0-3'
890-8261-6	FS 13	Solid	05/29/25 13:43	06/03/25 08:15	2'
890-8261-7	FS 18	Solid	05/29/25 13:51	06/03/25 08:15	2'



Environment Testing
Xenco

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

Chain of Custody

Work Order No:

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Flatland Energy Services	Company Name:	Ensolum, LLC
Address:	508 E Wall St.	Address:	3122 National Parks Hwy.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 315-0613	Email:	Hgreen@ensolum.com

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

ANALYSIS REQUEST



890-8261 Chain of Custody

Project Name:	Corona SWD	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	03D3836002				
Project Location:	32.711839, -103.916708	Due Date:			
Sampler's Name:	Bowan Simmons	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					
SAMPLE RECEIPT	Temp Blank: Yes ☒ No ☐	Wet Ice: Yes ☒ No ☐			
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	Parameters	Sample Comments
SW01	Soil	5/30/2025	1310	0-2'	Comp	1	Chloride	
SW02	Soil	5/29/2025	1030	0-2'	Comp	1		
SW03	Soil	5/29/2025	1033	0-2'	Comp	1		
SW04	Soil	5/29/2025	1036	0-3'	Comp	1		
SW05	Soil	5/29/2025	1039	0-3'	Comp	1		
FS13	Soil	5/29/2025	1343	2'	Comp	1		
FS18	Soil	5/29/2025	1351	2'	Comp	1		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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: 890-8261-1

SDG Number: 03D3836002

Login Number: 8261

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8261-1

SDG Number: 03D3836002

Login Number: 8261

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 06/04/25 12:09 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 6/6/2025 2:34:32 PM

JOB DESCRIPTION

Corona SWD
Eddy County

JOB NUMBER

880-58907-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

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
6/6/2025 2:34:32 PM

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

Client: Ensolum
Project/Site: Corona SWD

Laboratory Job ID: 880-58907-1
SDG: Eddy County

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Definitions/Glossary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

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: Corona SWD

Job ID: 880-58907-1

Job ID: 880-58907-1

Eurofins Midland

Job Narrative 880-58907-1

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 6/3/2025 2:39 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 1.2°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111501 and analytical batch 880-111564 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW08 (880-58907-3). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Client Sample ID: SW07

Lab Sample ID: 880-58907-1

Date Collected: 06/02/25 10:04

Matrix: Solid

Date Received: 06/03/25 14:39

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		06/04/25 09:42	06/04/25 16:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/04/25 09:42	06/04/25 16:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/04/25 09:42	06/04/25 16:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/04/25 09:42	06/04/25 16:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/04/25 09:42	06/04/25 16:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/04/25 09:42	06/04/25 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/04/25 09:42	06/04/25 16:58	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/04/25 09:42	06/04/25 16:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/04/25 16:58	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			06/05/25 12:31	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		06/04/25 12:24	06/05/25 12:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/04/25 12:24	06/05/25 12:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/04/25 12:24	06/05/25 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	06/04/25 12:24	06/05/25 12:31	1
o-Terphenyl	113		70 - 130	06/04/25 12:24	06/05/25 12:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	408		9.90	mg/Kg			06/04/25 21:31	1

Client Sample ID: SW06

Lab Sample ID: 880-58907-2

Date Collected: 06/03/25 08:06

Matrix: Solid

Date Received: 06/03/25 14:39

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		06/04/25 09:42	06/04/25 17:19	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/04/25 09:42	06/04/25 17:19	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/04/25 09:42	06/04/25 17:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/04/25 09:42	06/04/25 17:19	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/04/25 09:42	06/04/25 17:19	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/04/25 09:42	06/04/25 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/04/25 09:42	06/04/25 17:19	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/04/25 09:42	06/04/25 17:19	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Client Sample ID: SW06

Lab Sample ID: 880-58907-2

Date Collected: 06/03/25 08:06

Matrix: Solid

Date Received: 06/03/25 14:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			06/04/25 17:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			06/05/25 12:47	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	<49.9	U	49.9	mg/Kg		06/04/25 12:24	06/05/25 12:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/04/25 12:24	06/05/25 12:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/04/25 12:24	06/05/25 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130			06/04/25 12:24	06/05/25 12:47	1
o-Terphenyl	116		70 - 130			06/04/25 12:24	06/05/25 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		9.92	mg/Kg			06/04/25 21:52	1

Client Sample ID: SW08

Lab Sample ID: 880-58907-3

Date Collected: 06/03/25 08:08

Matrix: Solid

Date Received: 06/03/25 14:39

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		06/04/25 09:42	06/04/25 17:39	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/04/25 09:42	06/04/25 17:39	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/04/25 09:42	06/04/25 17:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/04/25 09:42	06/04/25 17:39	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/04/25 09:42	06/04/25 17:39	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/04/25 09:42	06/04/25 17:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			06/04/25 09:42	06/04/25 17:39	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/04/25 09:42	06/04/25 17:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			06/04/25 17:39	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			06/05/25 13:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		06/04/25 12:24	06/05/25 13:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/04/25 12:24	06/05/25 13:03	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Client Sample ID: SW08

Lab Sample ID: 880-58907-3

Date Collected: 06/03/25 08:08

Matrix: Solid

Date Received: 06/03/25 14:39

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/04/25 12:24	06/05/25 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130			06/04/25 12:24	06/05/25 13:03	1
o-Terphenyl	128		70 - 130			06/04/25 12:24	06/05/25 13:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		9.90	mg/Kg			06/04/25 21:59	1

Client Sample ID: SW09

Lab Sample ID: 880-58907-4

Date Collected: 06/03/25 08:10

Matrix: Solid

Date Received: 06/03/25 14:39

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		06/04/25 09:42	06/04/25 18:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/04/25 09:42	06/04/25 18:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/04/25 09:42	06/04/25 18:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/04/25 09:42	06/04/25 18:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/04/25 09:42	06/04/25 18:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/04/25 09:42	06/04/25 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			06/04/25 09:42	06/04/25 18:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130			06/04/25 09:42	06/04/25 18:00	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			06/04/25 18:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			06/05/25 13:19	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	<50.2	U	50.2	mg/Kg		06/04/25 12:24	06/05/25 13:19	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		06/04/25 12:24	06/05/25 13:19	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		06/04/25 12:24	06/05/25 13:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130			06/04/25 12:24	06/05/25 13:19	1
o-Terphenyl	118		70 - 130			06/04/25 12:24	06/05/25 13:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.2		10.0	mg/Kg			06/04/25 22:06	1

Eurofins Midland

Surrogate Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-58907-1	SW07	89	93
880-58907-2	SW06	89	94
880-58907-3	SW08	91	95
880-58907-4	SW09	89	94
LCS 880-111474/1-A	Lab Control Sample	97	97
LCSD 880-111474/2-A	Lab Control Sample Dup	94	102
MB 880-111474/5-A	Method Blank	92	100
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)
880-58907-1	SW07	121	113
880-58907-2	SW06	124	116
880-58907-3	SW08	133 S1+	128
880-58907-4	SW09	125	118
LCS 880-111501/2-A	Lab Control Sample	87	90
LCSD 880-111501/3-A	Lab Control Sample Dup	90	92
MB 880-111501/1-A	Method Blank	128	122
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111474/5-A

Matrix: Solid

Analysis Batch: 111458

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111474

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/04/25 09:42	06/04/25 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/04/25 09:42	06/04/25 11:27	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/04/25 09:42	06/04/25 11:27	1

Lab Sample ID: LCS 880-111474/1-A

Matrix: Solid

Analysis Batch: 111458

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1120		mg/Kg		112	70 - 130
Toluene	0.100	0.1030		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1058		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2026		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09716		mg/Kg		97	70 - 130

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

Lab Sample ID: LCSD 880-111474/2-A

Matrix: Solid

Analysis Batch: 111458

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111474

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1035		mg/Kg		104	70 - 130	8	35
Toluene	0.100	0.09473		mg/Kg		95	70 - 130	8	35
Ethylbenzene	0.100	0.09471		mg/Kg		95	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1811		mg/Kg		91	70 - 130	11	35
o-Xylene	0.100	0.08724		mg/Kg		87	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

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

Lab Sample ID: MB 880-111501/1-A

Matrix: Solid

Analysis Batch: 111564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111501

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		06/04/25 12:24	06/05/25 04:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/04/25 12:24	06/05/25 04:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/04/25 12:24	06/05/25 04:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130			06/04/25 12:24	06/05/25 04:09	1
o-Terphenyl	122		70 - 130			06/04/25 12:24	06/05/25 04:09	1

Lab Sample ID: LCS 880-111501/2-A

Matrix: Solid

Analysis Batch: 111564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	811.2		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	875.0		mg/Kg		88	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	87		70 - 130				
o-Terphenyl	90		70 - 130				

Lab Sample ID: LCSD 880-111501/3-A

Matrix: Solid

Analysis Batch: 111564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111501

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	831.5		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	906.0		mg/Kg		91	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	92		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111478/1-A

Matrix: Solid

Analysis Batch: 111507

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			06/04/25 21:10	1

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-111478/2-A						Client Sample ID: Lab Control Sample					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 111507											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.2		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-111478/3-A						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 111507											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-58907-1 MS						Client Sample ID: SW07					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 111507											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	408		248	645.9		mg/Kg		96	90 - 110		

Lab Sample ID: 880-58907-1 MSD						Client Sample ID: SW07					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 111507											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	408		248	646.6		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

GC VOA

Analysis Batch: 111458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-1	SW07	Total/NA	Solid	8021B	111474
880-58907-2	SW06	Total/NA	Solid	8021B	111474
880-58907-3	SW08	Total/NA	Solid	8021B	111474
880-58907-4	SW09	Total/NA	Solid	8021B	111474
MB 880-111474/5-A	Method Blank	Total/NA	Solid	8021B	111474
LCS 880-111474/1-A	Lab Control Sample	Total/NA	Solid	8021B	111474
LCSD 880-111474/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111474

Prep Batch: 111474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-1	SW07	Total/NA	Solid	5035	
880-58907-2	SW06	Total/NA	Solid	5035	
880-58907-3	SW08	Total/NA	Solid	5035	
880-58907-4	SW09	Total/NA	Solid	5035	
MB 880-111474/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111474/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111474/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 111612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-1	SW07	Total/NA	Solid	Total BTEX	
880-58907-2	SW06	Total/NA	Solid	Total BTEX	
880-58907-3	SW08	Total/NA	Solid	Total BTEX	
880-58907-4	SW09	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-1	SW07	Total/NA	Solid	8015NM Prep	
880-58907-2	SW06	Total/NA	Solid	8015NM Prep	
880-58907-3	SW08	Total/NA	Solid	8015NM Prep	
880-58907-4	SW09	Total/NA	Solid	8015NM Prep	
MB 880-111501/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111501/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111501/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-1	SW07	Total/NA	Solid	8015B NM	111501
880-58907-2	SW06	Total/NA	Solid	8015B NM	111501
880-58907-3	SW08	Total/NA	Solid	8015B NM	111501
880-58907-4	SW09	Total/NA	Solid	8015B NM	111501
MB 880-111501/1-A	Method Blank	Total/NA	Solid	8015B NM	111501
LCS 880-111501/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111501
LCSD 880-111501/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111501

Analysis Batch: 111693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-1	SW07	Total/NA	Solid	8015 NM	
880-58907-2	SW06	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 111693 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-3	SW08	Total/NA	Solid	8015 NM	
880-58907-4	SW09	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-1	SW07	Soluble	Solid	DI Leach	
880-58907-2	SW06	Soluble	Solid	DI Leach	
880-58907-3	SW08	Soluble	Solid	DI Leach	
880-58907-4	SW09	Soluble	Solid	DI Leach	
MB 880-111478/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111478/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111478/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58907-1 MS	SW07	Soluble	Solid	DI Leach	
880-58907-1 MSD	SW07	Soluble	Solid	DI Leach	

Analysis Batch: 111507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58907-1	SW07	Soluble	Solid	300.0	111478
880-58907-2	SW06	Soluble	Solid	300.0	111478
880-58907-3	SW08	Soluble	Solid	300.0	111478
880-58907-4	SW09	Soluble	Solid	300.0	111478
MB 880-111478/1-A	Method Blank	Soluble	Solid	300.0	111478
LCS 880-111478/2-A	Lab Control Sample	Soluble	Solid	300.0	111478
LCSD 880-111478/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111478
880-58907-1 MS	SW07	Soluble	Solid	300.0	111478
880-58907-1 MSD	SW07	Soluble	Solid	300.0	111478

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Client Sample ID: SW07

Lab Sample ID: 880-58907-1

Date Collected: 06/02/25 10:04

Matrix: Solid

Date Received: 06/03/25 14:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111474	MNR	EET MID	06/04/25 09:42
Total/NA	Analysis	8021B		1	111458	MNR	EET MID	06/04/25 16:58
Total/NA	Analysis	Total BTEX		1	111612	AJ	EET MID	06/04/25 16:58
Total/NA	Analysis	8015 NM		1	111693	AJ	EET MID	06/05/25 12:31
Total/NA	Prep	8015NM Prep			111501	FC	EET MID	06/04/25 12:24
Total/NA	Analysis	8015B NM		1	111564	TKC	EET MID	06/05/25 12:31
Soluble	Leach	DI Leach			111478	SA	EET MID	06/04/25 10:03
Soluble	Analysis	300.0		1	111507	CH	EET MID	06/04/25 21:31

Client Sample ID: SW06

Lab Sample ID: 880-58907-2

Date Collected: 06/03/25 08:06

Matrix: Solid

Date Received: 06/03/25 14:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111474	MNR	EET MID	06/04/25 09:42
Total/NA	Analysis	8021B		1	111458	MNR	EET MID	06/04/25 17:19
Total/NA	Analysis	Total BTEX		1	111612	AJ	EET MID	06/04/25 17:19
Total/NA	Analysis	8015 NM		1	111693	AJ	EET MID	06/05/25 12:47
Total/NA	Prep	8015NM Prep			111501	FC	EET MID	06/04/25 12:24
Total/NA	Analysis	8015B NM		1	111564	TKC	EET MID	06/05/25 12:47
Soluble	Leach	DI Leach			111478	SA	EET MID	06/04/25 10:03
Soluble	Analysis	300.0		1	111507	CH	EET MID	06/04/25 21:52

Client Sample ID: SW08

Lab Sample ID: 880-58907-3

Date Collected: 06/03/25 08:08

Matrix: Solid

Date Received: 06/03/25 14:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111474	MNR	EET MID	06/04/25 09:42
Total/NA	Analysis	8021B		1	111458	MNR	EET MID	06/04/25 17:39
Total/NA	Analysis	Total BTEX		1	111612	AJ	EET MID	06/04/25 17:39
Total/NA	Analysis	8015 NM		1	111693	AJ	EET MID	06/05/25 13:03
Total/NA	Prep	8015NM Prep			111501	FC	EET MID	06/04/25 12:24
Total/NA	Analysis	8015B NM		1	111564	TKC	EET MID	06/05/25 13:03
Soluble	Leach	DI Leach			111478	SA	EET MID	06/04/25 10:03
Soluble	Analysis	300.0		1	111507	CH	EET MID	06/04/25 21:59

Client Sample ID: SW09

Lab Sample ID: 880-58907-4

Date Collected: 06/03/25 08:10

Matrix: Solid

Date Received: 06/03/25 14:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111474	MNR	EET MID	06/04/25 09:42
Total/NA	Analysis	8021B		1	111458	MNR	EET MID	06/04/25 18:00
Total/NA	Analysis	Total BTEX		1	111612	AJ	EET MID	06/04/25 18:00

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Client Sample ID: SW09
Date Collected: 06/03/25 08:10
Date Received: 06/03/25 14:39

Lab Sample ID: 880-58907-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	111693	AJ	EET MID	06/05/25 13:19
Total/NA	Prep	8015NM Prep			111501	FC	EET MID	06/04/25 12:24
Total/NA	Analysis	8015B NM		1	111564	TKC	EET MID	06/05/25 13:19
Soluble	Leach	DI Leach			111478	SA	EET MID	06/04/25 10:03
Soluble	Analysis	300.0		1	111507	CH	EET MID	06/04/25 22:06

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

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

Method Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

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: Corona SWD

Job ID: 880-58907-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-58907-1	SW07	Solid	06/02/25 10:04	06/03/25 14:39
880-58907-2	SW06	Solid	06/03/25 08:06	06/03/25 14:39
880-58907-3	SW08	Solid	06/03/25 08:08	06/03/25 14:39
880-58907-4	SW09	Solid	06/03/25 08:10	06/03/25 14:39

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- 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



880-58907 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	Ensolium Attn: Hadlie Green
Company Name:	Ensolium, LLC	Company Name:	
Address:	601 N Marientfeld St. - Suite 200	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 557-8895	Email:	hgreen@ensolium.com / tguardian@ensolium.com

Project Name:	Corona SWD	Turn Around	
Project Number:	03D3836002	☒ Routine ☐ Rush	
Project Location:	Eddy County	Due Date:	
Sampler's Name:	Taisha Guardian	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	03D3836002		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST	Preservative Codes
							Temp Blank:	Wet Ice:			
SWD7	S	6/2/25	1004	0-2	C	1					None: NO 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: SAPC
SWD6	S	6/3/25	0806	0-2	C	1					
SWD8	S	6/3/25	0808	0-3	C	1					
SWD9	S	6/3/25	0810	0-3	C	1					
NFE											
6/3/25											
BTEX 8021											
TPH 8015											
Chlorides 300											
7/1/25											

Total 2007 / 6010	2008 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6/3/25 1439			
3					
5					

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-58907-1

SDG Number: Eddy County

Login Number: 58907

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 6/10/2025 9:59:49 AM

JOB DESCRIPTION

Corona SWD
Eddy County

JOB NUMBER

880-59042-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

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
6/10/2025 9:59:49 AM

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

Client: Ensolum
Project/Site: Corona SWD

Laboratory Job ID: 880-59042-1
SDG: Eddy County

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Definitions/Glossary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

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: Corona SWD

Job ID: 880-59042-1

Job ID: 880-59042-1

Eurofins Midland

Job Narrative 880-59042-1

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 6/5/2025 5:02 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°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: FS01B (880-59042-3) and FS02B (880-59042-4). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS04 (880-59042-1). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

Client Sample ID: FS04

Lab Sample ID: 880-59042-1

Date Collected: 06/05/25 09:48

Matrix: Solid

Date Received: 06/05/25 17:02

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		06/06/25 14:31	06/06/25 16:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/06/25 14:31	06/06/25 16:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/06/25 14:31	06/06/25 16:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/06/25 14:31	06/06/25 16:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/06/25 14:31	06/06/25 16:55	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/06/25 14:31	06/06/25 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/06/25 14:31	06/06/25 16:55	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/06/25 14:31	06/06/25 16:55	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			06/06/25 16:55	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			06/07/25 04:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/05/25 15:34	06/07/25 04:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/05/25 15:34	06/07/25 04:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/05/25 15:34	06/07/25 04:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	06/05/25 15:34	06/07/25 04:37	1
o-Terphenyl	142	S1+	70 - 130	06/05/25 15:34	06/07/25 04:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	453		10.1	mg/Kg			06/09/25 19:13	1

Client Sample ID: FS27

Lab Sample ID: 880-59042-2

Date Collected: 06/05/25 10:28

Matrix: Solid

Date Received: 06/05/25 17:02

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		06/06/25 14:31	06/06/25 17:15	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/06/25 14:31	06/06/25 17:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/06/25 14:31	06/06/25 17:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/06/25 14:31	06/06/25 17:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/06/25 14:31	06/06/25 17:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/06/25 14:31	06/06/25 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/06/25 14:31	06/06/25 17:15	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/06/25 14:31	06/06/25 17:15	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

Client Sample ID: FS27

Lab Sample ID: 880-59042-2

Date Collected: 06/05/25 10:28

Matrix: Solid

Date Received: 06/05/25 17:02

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			06/06/25 17:15	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			06/07/25 04:54	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		06/05/25 15:34	06/07/25 04:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/05/25 15:34	06/07/25 04:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/05/25 15:34	06/07/25 04:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130			06/05/25 15:34	06/07/25 04:54	1
o-Terphenyl	130		70 - 130			06/05/25 15:34	06/07/25 04:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		10.0	mg/Kg			06/09/25 19:35	1

Client Sample ID: FS01B

Lab Sample ID: 880-59042-3

Date Collected: 06/05/25 12:22

Matrix: Solid

Date Received: 06/05/25 17:02

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		06/06/25 14:31	06/06/25 17:35	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/06/25 14:31	06/06/25 17:35	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/06/25 14:31	06/06/25 17:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/06/25 14:31	06/06/25 17:35	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/06/25 14:31	06/06/25 17:35	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/06/25 14:31	06/06/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			06/06/25 14:31	06/06/25 17:35	1
1,4-Difluorobenzene (Surr)	77		70 - 130			06/06/25 14:31	06/06/25 17:35	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			06/06/25 17:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			06/07/25 05:08	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	<49.8	U	49.8	mg/Kg		06/05/25 15:34	06/07/25 05:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/05/25 15:34	06/07/25 05:08	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

Client Sample ID: FS01B

Lab Sample ID: 880-59042-3

Date Collected: 06/05/25 12:22

Matrix: Solid

Date Received: 06/05/25 17:02

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/05/25 15:34	06/07/25 05:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130			06/05/25 15:34	06/07/25 05:08	1
o-Terphenyl	136	S1+	70 - 130			06/05/25 15:34	06/07/25 05:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	768		9.98	mg/Kg			06/09/25 19:42	1

Client Sample ID: FS02B

Lab Sample ID: 880-59042-4

Date Collected: 06/05/25 12:24

Matrix: Solid

Date Received: 06/05/25 17:02

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		06/06/25 14:31	06/06/25 17:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/06/25 14:31	06/06/25 17:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/06/25 14:31	06/06/25 17:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/06/25 14:31	06/06/25 17:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/06/25 14:31	06/06/25 17:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/06/25 14:31	06/06/25 17:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			06/06/25 14:31	06/06/25 17:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130			06/06/25 14:31	06/06/25 17:56	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			06/06/25 17:56	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			06/07/25 05:25	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		06/05/25 15:34	06/07/25 05:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 05:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/05/25 15:34	06/07/25 05:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130			06/05/25 15:34	06/07/25 05:25	1
o-Terphenyl	131	S1+	70 - 130			06/05/25 15:34	06/07/25 05:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	457		9.94	mg/Kg			06/09/25 19:50	1

Eurofins Midland

Surrogate Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-59042-1	FS04	104	89
880-59042-1 MS	FS04	93	104
880-59042-1 MSD	FS04	101	99
880-59042-2	FS27	96	100
880-59042-3	FS01B	104	77
880-59042-4	FS02B	92	102
LCS 880-111701/1-A	Lab Control Sample	97	102
LCSD 880-111701/2-A	Lab Control Sample Dup	101	100
MB 880-111701/5-A	Method Blank	89	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 (70-130)	OTPH1 (70-130)
880-59042-1	FS04	132 S1+	142 S1+
880-59042-2	FS27	124	130
880-59042-3	FS01B	127	136 S1+
880-59042-4	FS02B	124	131 S1+
LCS 880-111637/2-A	Lab Control Sample	101	98
LCSD 880-111637/3-A	Lab Control Sample Dup	103	99
MB 880-111637/1-A	Method Blank	83	87
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111701/5-A

Matrix: Solid

Analysis Batch: 111642

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111701

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/06/25 14:31	06/06/25 16:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/06/25 14:31	06/06/25 16:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/06/25 14:31	06/06/25 16:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/06/25 14:31	06/06/25 16:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/06/25 14:31	06/06/25 16:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/06/25 14:31	06/06/25 16:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/06/25 14:31	06/06/25 16:33	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/06/25 14:31	06/06/25 16:33	1

Lab Sample ID: LCS 880-111701/1-A

Matrix: Solid

Analysis Batch: 111642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111701

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1139		mg/Kg		114	70 - 130
Toluene	0.100	0.09834		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2108		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1060		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-111701/2-A

Matrix: Solid

Analysis Batch: 111642

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111701

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1131		mg/Kg		113	70 - 130	1	35
Toluene	0.100	0.09681		mg/Kg		97	70 - 130	2	35
Ethylbenzene	0.100	0.1025		mg/Kg		103	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2058		mg/Kg		103	70 - 130	2	35
o-Xylene	0.100	0.1035		mg/Kg		104	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-59042-1 MS

Matrix: Solid

Analysis Batch: 111642

Client Sample ID: FS04

Prep Type: Total/NA

Prep Batch: 111701

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1184		mg/Kg		118	70 - 130
Toluene	<0.00200	U	0.100	0.09705		mg/Kg		97	70 - 130

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

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

Lab Sample ID: 880-59042-1 MS

Matrix: Solid

Analysis Batch: 111642

Client Sample ID: FS04

Prep Type: Total/NA

Prep Batch: 111701

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1014		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2005		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.1001		mg/Kg		100	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	93		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

Lab Sample ID: 880-59042-1 MSD

Matrix: Solid

Analysis Batch: 111642

Client Sample ID: FS04

Prep Type: Total/NA

Prep Batch: 111701

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	0.1084		mg/Kg		108	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.09568		mg/Kg		96	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1027		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2072		mg/Kg		104	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130	4	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

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

Lab Sample ID: MB 880-111637/1-A

Matrix: Solid

Analysis Batch: 111716

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111637

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		06/05/25 15:34	06/07/25 00:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/05/25 15:34	06/07/25 00:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/05/25 15:34	06/07/25 00:04	1
Surrogate	%Recovery	MB Qualifier	MB Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			06/05/25 15:34	06/07/25 00:04	1
o-Terphenyl	87		70 - 130			06/05/25 15:34	06/07/25 00:04	1

Lab Sample ID: LCS 880-111637/2-A

Matrix: Solid

Analysis Batch: 111716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	981.5		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	866.0		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-111637/2-A
Matrix: Solid
Analysis Batch: 111716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111637

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-111637/3-A
Matrix: Solid
Analysis Batch: 111716

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111637

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	999.9		mg/Kg		100	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	878.3		mg/Kg		88	70 - 130	1	20	
Surrogate		LCSD	LCSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	103		70 - 130									
o-Terphenyl	99		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111713/1-A
Matrix: Solid
Analysis Batch: 111761

Client Sample ID: Method Blank
Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	<10.0	U	10.0	mg/Kg			06/09/25 16:40	1			

Lab Sample ID: LCS 880-111713/2-A
Matrix: Solid
Analysis Batch: 111761

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-111713/3-A
Matrix: Solid
Analysis Batch: 111761

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

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride			250	263.5		mg/Kg		105	90 - 110	1	20	

QC Association Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

GC VOA

Analysis Batch: 111642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59042-1	FS04	Total/NA	Solid	8021B	111701
880-59042-2	FS27	Total/NA	Solid	8021B	111701
880-59042-3	FS01B	Total/NA	Solid	8021B	111701
880-59042-4	FS02B	Total/NA	Solid	8021B	111701
MB 880-111701/5-A	Method Blank	Total/NA	Solid	8021B	111701
LCS 880-111701/1-A	Lab Control Sample	Total/NA	Solid	8021B	111701
LCSD 880-111701/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111701
880-59042-1 MS	FS04	Total/NA	Solid	8021B	111701
880-59042-1 MSD	FS04	Total/NA	Solid	8021B	111701

Prep Batch: 111701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59042-1	FS04	Total/NA	Solid	5035	
880-59042-2	FS27	Total/NA	Solid	5035	
880-59042-3	FS01B	Total/NA	Solid	5035	
880-59042-4	FS02B	Total/NA	Solid	5035	
MB 880-111701/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111701/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111701/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-59042-1 MS	FS04	Total/NA	Solid	5035	
880-59042-1 MSD	FS04	Total/NA	Solid	5035	

Analysis Batch: 111825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59042-1	FS04	Total/NA	Solid	Total BTEX	
880-59042-2	FS27	Total/NA	Solid	Total BTEX	
880-59042-3	FS01B	Total/NA	Solid	Total BTEX	
880-59042-4	FS02B	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59042-1	FS04	Total/NA	Solid	8015NM Prep	
880-59042-2	FS27	Total/NA	Solid	8015NM Prep	
880-59042-3	FS01B	Total/NA	Solid	8015NM Prep	
880-59042-4	FS02B	Total/NA	Solid	8015NM Prep	
MB 880-111637/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111637/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59042-1	FS04	Total/NA	Solid	8015B NM	111637
880-59042-2	FS27	Total/NA	Solid	8015B NM	111637
880-59042-3	FS01B	Total/NA	Solid	8015B NM	111637
880-59042-4	FS02B	Total/NA	Solid	8015B NM	111637
MB 880-111637/1-A	Method Blank	Total/NA	Solid	8015B NM	111637
LCS 880-111637/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111637
LCSD 880-111637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111637

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

GC Semi VOA

Analysis Batch: 111807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59042-1	FS04	Total/NA	Solid	8015 NM	
880-59042-2	FS27	Total/NA	Solid	8015 NM	
880-59042-3	FS01B	Total/NA	Solid	8015 NM	
880-59042-4	FS02B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59042-1	FS04	Soluble	Solid	DI Leach	
880-59042-2	FS27	Soluble	Solid	DI Leach	
880-59042-3	FS01B	Soluble	Solid	DI Leach	
880-59042-4	FS02B	Soluble	Solid	DI Leach	
MB 880-111713/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111713/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111713/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 111761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59042-1	FS04	Soluble	Solid	300.0	111713
880-59042-2	FS27	Soluble	Solid	300.0	111713
880-59042-3	FS01B	Soluble	Solid	300.0	111713
880-59042-4	FS02B	Soluble	Solid	300.0	111713
MB 880-111713/1-A	Method Blank	Soluble	Solid	300.0	111713
LCS 880-111713/2-A	Lab Control Sample	Soluble	Solid	300.0	111713
LCSD 880-111713/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111713

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

Client Sample ID: FS04

Lab Sample ID: 880-59042-1

Date Collected: 06/05/25 09:48

Matrix: Solid

Date Received: 06/05/25 17:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111701	MNR	EET MID	06/06/25 14:31
Total/NA	Analysis	8021B		1	111642	MNR	EET MID	06/06/25 16:55
Total/NA	Analysis	Total BTEX		1	111825	SM	EET MID	06/06/25 16:55
Total/NA	Analysis	8015 NM		1	111807	SM	EET MID	06/07/25 04:37
Total/NA	Prep	8015NM Prep			111637	FC	EET MID	06/05/25 15:34
Total/NA	Analysis	8015B NM		1	111716	TKC	EET MID	06/07/25 04:37
Soluble	Leach	DI Leach			111713	SMC	EET MID	06/06/25 15:52
Soluble	Analysis	300.0		1	111761	CH	EET MID	06/09/25 19:13

Client Sample ID: FS27

Lab Sample ID: 880-59042-2

Date Collected: 06/05/25 10:28

Matrix: Solid

Date Received: 06/05/25 17:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111701	MNR	EET MID	06/06/25 14:31
Total/NA	Analysis	8021B		1	111642	MNR	EET MID	06/06/25 17:15
Total/NA	Analysis	Total BTEX		1	111825	SM	EET MID	06/06/25 17:15
Total/NA	Analysis	8015 NM		1	111807	SM	EET MID	06/07/25 04:54
Total/NA	Prep	8015NM Prep			111637	FC	EET MID	06/05/25 15:34
Total/NA	Analysis	8015B NM		1	111716	TKC	EET MID	06/07/25 04:54
Soluble	Leach	DI Leach			111713	SMC	EET MID	06/06/25 15:52
Soluble	Analysis	300.0		1	111761	CH	EET MID	06/09/25 19:35

Client Sample ID: FS01B

Lab Sample ID: 880-59042-3

Date Collected: 06/05/25 12:22

Matrix: Solid

Date Received: 06/05/25 17:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111701	MNR	EET MID	06/06/25 14:31
Total/NA	Analysis	8021B		1	111642	MNR	EET MID	06/06/25 17:35
Total/NA	Analysis	Total BTEX		1	111825	SM	EET MID	06/06/25 17:35
Total/NA	Analysis	8015 NM		1	111807	SM	EET MID	06/07/25 05:08
Total/NA	Prep	8015NM Prep			111637	FC	EET MID	06/05/25 15:34
Total/NA	Analysis	8015B NM		1	111716	TKC	EET MID	06/07/25 05:08
Soluble	Leach	DI Leach			111713	SMC	EET MID	06/06/25 15:52
Soluble	Analysis	300.0		1	111761	CH	EET MID	06/09/25 19:42

Client Sample ID: FS02B

Lab Sample ID: 880-59042-4

Date Collected: 06/05/25 12:24

Matrix: Solid

Date Received: 06/05/25 17:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111701	MNR	EET MID	06/06/25 14:31
Total/NA	Analysis	8021B		1	111642	MNR	EET MID	06/06/25 17:56
Total/NA	Analysis	Total BTEX		1	111825	SM	EET MID	06/06/25 17:56

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

Client Sample ID: FS02B

Date Collected: 06/05/25 12:24

Date Received: 06/05/25 17:02

Lab Sample ID: 880-59042-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	111807	SM	EET MID	06/07/25 05:25
Total/NA	Prep	8015NM Prep			111637	FC	EET MID	06/05/25 15:34
Total/NA	Analysis	8015B NM		1	111716	TKC	EET MID	06/07/25 05:25
Soluble	Leach	DI Leach			111713	SMC	EET MID	06/06/25 15:52
Soluble	Analysis	300.0		1	111761	CH	EET MID	06/09/25 19:50

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

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

Method Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

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: Corona SWD

Job ID: 880-59042-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-59042-1	FS04	Solid	06/05/25 09:48	06/05/25 17:02
880-59042-2	FS27	Solid	06/05/25 10:28	06/05/25 17:02
880-59042-3	FS01B	Solid	06/05/25 12:22	06/05/25 17:02
880-59042-4	FS02B	Solid	06/05/25 12:24	06/05/25 17:02

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Environment Testing
Xenco

Chain of Custody

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



880-59042 Chain of Custody

Project Manager:	Holly Green	Bill to: (if different)	
Company Name:	Ensolium LLC	Company Name:	
Address:	601 N. Vandenfeld St Ste 200	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8845	Email:	hgreen@ensolium.com

Project Name:	Corona SUND	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	03D3836002	Due Date:			
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Isabella Tovar	Wet Ice:	☒ Yes ☐ No		
PO #:	03D3836002	Thermometer ID:	IR8		
SAMPLE RECEIPT		Temp Blank:	☒ Yes ☐ No		
Samples Received Intact:		Yes No	☒ Yes ☐ No		
Cooler Custody Seals:		Correction Factor:	-1		
Sample Custody Seals:		Temperature Reading:	14		
Total Containers:		Corrected Temperature:	13		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
FS04	S	6/5/25	0948	2'	C	1	Chloride 300			None: NO 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: SAPC	
FS27	S	6/5/25	1028	3'	↓	1	TRH 8015				
FS01B	S	6/5/25	1222	2'	↓	1	BTEX 8021				
FS02B	S	6/5/25	1224	2'	↓	1	TRH 8015				
							NRC				

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471	

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. <i>Isabella Tovar</i>	<i>Holly Green</i>	6/5/25 1323			
3.		4			
5.		6			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-59042-1

SDG Number: Eddy County

Login Number: 59042

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 6/12/2025 12:13:42 PM

JOB DESCRIPTION

Crona SWD
Eddy County

JOB NUMBER

880-59088-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

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
6/12/2025 12:13:42 PM

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

Client: Ensolum
Project/Site: Crona SWD

Laboratory Job ID: 880-59088-1
SDG: Eddy County

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Definitions/Glossary

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project: Crona SWD

Job ID: 880-59088-1

Job ID: 880-59088-1

Eurofins Midland

Job Narrative 880-59088-1

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 6/9/2025 8:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°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 sample was outside control limits: (880-59088-A-4-B MS). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111736 and analytical batch 880-111866 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 Midland

Client Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS03

Lab Sample ID: 880-59088-1

Date Collected: 06/06/25 10:00

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 17:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 17:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 17:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/09/25 10:26	06/09/25 17:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 17:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/09/25 10:26	06/09/25 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	06/09/25 10:26	06/09/25 17:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/09/25 10:26	06/09/25 17:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			06/09/25 17:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/12/25 02:10	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		06/09/25 08:45	06/12/25 02:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/09/25 08:45	06/12/25 02:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/09/25 08:45	06/12/25 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	06/09/25 08:45	06/12/25 02:10	1
o-Terphenyl	70		70 - 130	06/09/25 08:45	06/12/25 02:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223	F1	9.92	mg/Kg			06/10/25 15:54	1

Client Sample ID: FS07

Lab Sample ID: 880-59088-2

Date Collected: 06/06/25 10:06

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 1

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		06/09/25 10:26	06/09/25 18:40	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 18:40	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 18:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/09/25 10:26	06/09/25 18:40	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 18:40	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/09/25 10:26	06/09/25 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/09/25 10:26	06/09/25 18:40	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS07

Lab Sample ID: 880-59088-2

Date Collected: 06/06/25 10:06

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85		70 - 130	06/09/25 10:26	06/09/25 18:40	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			06/09/25 18:40	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			06/12/25 02:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		06/09/25 08:45	06/12/25 02:25	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		06/09/25 08:45	06/12/25 02:25	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		06/09/25 08:45	06/12/25 02:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			06/09/25 08:45	06/12/25 02:25	1
o-Terphenyl	73		70 - 130			06/09/25 08:45	06/12/25 02:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		10.1	mg/Kg			06/10/25 16:16	1

Client Sample ID: FS08

Lab Sample ID: 880-59088-3

Date Collected: 06/06/25 15:00

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/09/25 10:26	06/09/25 19:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/09/25 10:26	06/09/25 19:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/09/25 10:26	06/09/25 19:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/09/25 10:26	06/09/25 19:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/09/25 10:26	06/09/25 19:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/09/25 10:26	06/09/25 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/09/25 10:26	06/09/25 19:01	1
1,4-Difluorobenzene (Surr)	105		70 - 130	06/09/25 10:26	06/09/25 19:01	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			06/09/25 19:01	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			06/12/25 02:41	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS08

Lab Sample ID: 880-59088-3

Date Collected: 06/06/25 15:00

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/09/25 08:45	06/12/25 02:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/09/25 08:45	06/12/25 02:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/09/25 08:45	06/12/25 02:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			06/09/25 08:45	06/12/25 02:41	1
o-Terphenyl	71		70 - 130			06/09/25 08:45	06/12/25 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		10.1	mg/Kg			06/10/25 16:23	1

Client Sample ID: FS09

Lab Sample ID: 880-59088-4

Date Collected: 06/06/25 10:10

Matrix: Solid

Date Received: 06/09/25 08:45

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		06/09/25 10:26	06/09/25 19:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 19:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 19:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/09/25 10:26	06/09/25 19:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 19:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/09/25 10:26	06/09/25 19:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			06/09/25 10:26	06/09/25 19:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130			06/09/25 10:26	06/09/25 19:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			06/09/25 19:21	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			06/11/25 02:24	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		06/09/25 09:12	06/11/25 02:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/09/25 09:12	06/11/25 02:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/09/25 09:12	06/11/25 02:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			06/09/25 09:12	06/11/25 02:24	1
o-Terphenyl	80		70 - 130			06/09/25 09:12	06/11/25 02:24	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS09

Lab Sample ID: 880-59088-4

Date Collected: 06/06/25 10:10

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		9.96	mg/Kg			06/10/25 16:45	1

Client Sample ID: FS10

Lab Sample ID: 880-59088-5

Date Collected: 06/06/25 15:15

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 1.5

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		06/09/25 10:26	06/09/25 19:42	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/09/25 10:26	06/09/25 19:42	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/09/25 10:26	06/09/25 19:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/09/25 10:26	06/09/25 19:42	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/09/25 10:26	06/09/25 19:42	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/09/25 10:26	06/09/25 19:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			06/09/25 10:26	06/09/25 19:42	1
1,4-Difluorobenzene (Surr)	99		70 - 130			06/09/25 10:26	06/09/25 19:42	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			06/09/25 19:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			06/11/25 03:11	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	<50.5	U	50.5	mg/Kg		06/09/25 09:12	06/11/25 03:11	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		06/09/25 09:12	06/11/25 03:11	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		06/09/25 09:12	06/11/25 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130			06/09/25 09:12	06/11/25 03:11	1
o-Terphenyl	78		70 - 130			06/09/25 09:12	06/11/25 03:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		9.90	mg/Kg			06/10/25 16:53	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS11

Lab Sample ID: 880-59088-6

Date Collected: 06/06/25 10:14

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 1

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		06/09/25 10:26	06/09/25 20:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 20:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 20:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/09/25 10:26	06/09/25 20:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 20:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/09/25 10:26	06/09/25 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/09/25 10:26	06/09/25 20:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/09/25 10:26	06/09/25 20:02	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			06/09/25 20:02	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			06/11/25 03:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/09/25 09:12	06/11/25 03:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/09/25 09:12	06/11/25 03:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/09/25 09:12	06/11/25 03:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	06/09/25 09:12	06/11/25 03:27	1
o-Terphenyl	78		70 - 130	06/09/25 09:12	06/11/25 03:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		9.90	mg/Kg			06/10/25 17:00	1

Client Sample ID: FS20

Lab Sample ID: 880-59088-7

Date Collected: 06/06/25 10:36

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2

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		06/09/25 10:26	06/09/25 20:23	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/09/25 10:26	06/09/25 20:23	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/09/25 10:26	06/09/25 20:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/09/25 10:26	06/09/25 20:23	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/09/25 10:26	06/09/25 20:23	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/09/25 10:26	06/09/25 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/09/25 10:26	06/09/25 20:23	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS20

Lab Sample ID: 880-59088-7

Date Collected: 06/06/25 10:36

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	06/09/25 10:26	06/09/25 20:23	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			06/09/25 20:23	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			06/11/25 03:43	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	<50.0	U	50.0	mg/Kg		06/09/25 09:12	06/11/25 03:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/09/25 09:12	06/11/25 03:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/09/25 09:12	06/11/25 03:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			06/09/25 09:12	06/11/25 03:43	1
o-Terphenyl	75		70 - 130			06/09/25 09:12	06/11/25 03:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		9.94	mg/Kg			06/10/25 17:07	1

Client Sample ID: FS21

Lab Sample ID: 880-59088-8

Date Collected: 06/06/25 15:20

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 20:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 20:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 20:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/09/25 10:26	06/09/25 20:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 20:43	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/09/25 10:26	06/09/25 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/09/25 10:26	06/09/25 20:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/09/25 10:26	06/09/25 20:43	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			06/09/25 20:43	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			06/11/25 03:59	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS21

Lab Sample ID: 880-59088-8

Date Collected: 06/06/25 15:20

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/09/25 09:12	06/11/25 03:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/09/25 09:12	06/11/25 03:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/09/25 09:12	06/11/25 03:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			06/09/25 09:12	06/11/25 03:59	1
o-Terphenyl	79		70 - 130			06/09/25 09:12	06/11/25 03:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		10.1	mg/Kg			06/10/25 17:15	1

Client Sample ID: FS26

Lab Sample ID: 880-59088-9

Date Collected: 06/06/25 15:30

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 21:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 21:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 21:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/09/25 10:26	06/09/25 21:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 21:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/09/25 10:26	06/09/25 21:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			06/09/25 10:26	06/09/25 21:04	1
1,4-Difluorobenzene (Surr)	101		70 - 130			06/09/25 10:26	06/09/25 21:04	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			06/09/25 21:04	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			06/11/25 04:15	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		06/09/25 09:12	06/11/25 04:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/09/25 09:12	06/11/25 04:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/09/25 09:12	06/11/25 04:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130			06/09/25 09:12	06/11/25 04:15	1
o-Terphenyl	75		70 - 130			06/09/25 09:12	06/11/25 04:15	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS26

Lab Sample ID: 880-59088-9

Date Collected: 06/06/25 15:30

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	448		10.0	mg/Kg			06/10/25 17:22	1

Client Sample ID: FS28

Lab Sample ID: 880-59088-10

Date Collected: 06/06/25 15:40

Matrix: Solid

Date Received: 06/09/25 08:45

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 21:24	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 21:24	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 21:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/09/25 10:26	06/09/25 21:24	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/09/25 10:26	06/09/25 21:24	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/09/25 10:26	06/09/25 21:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			06/09/25 10:26	06/09/25 21:24	1
1,4-Difluorobenzene (Surr)	99		70 - 130			06/09/25 10:26	06/09/25 21:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/09/25 21:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/11/25 04:31	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		06/09/25 09:12	06/11/25 04:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/09/25 09:12	06/11/25 04:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/09/25 09:12	06/11/25 04:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130			06/09/25 09:12	06/11/25 04:31	1
o-Terphenyl	79		70 - 130			06/09/25 09:12	06/11/25 04:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		10.0	mg/Kg			06/10/25 17:29	1

Eurofins Midland

Surrogate Summary

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-59088-1	FS03	85	100
880-59088-2	FS07	104	85
880-59088-3	FS08	87	105
880-59088-4	FS09	94	101
880-59088-5	FS10	88	99
880-59088-6	FS11	90	101
880-59088-7	FS20	92	103
880-59088-8	FS21	92	97
880-59088-9	FS26	91	101
880-59088-10	FS28	91	99
LCS 880-111766/1-A	Lab Control Sample	95	100
LCSD 880-111766/2-A	Lab Control Sample Dup	96	105
MB 880-111766/5-A	Method Blank	98	90
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)
880-59088-1	FS03	74	70
880-59088-2	FS07	75	73
880-59088-3	FS08	75	71
880-59088-4	FS09	78	80
880-59088-4 MS	FS09	69 S1-	75
880-59088-4 MSD	FS09	85	77
880-59088-5	FS10	76	78
880-59088-6	FS11	80	78
880-59088-7	FS20	75	75
880-59088-8	FS21	78	79
880-59088-9	FS26	74	75
880-59088-10	FS28	79	79
LCS 880-111750/2-A	Lab Control Sample	98	85
LCS 880-111759/2-A	Lab Control Sample	75	81
LCSD 880-111750/3-A	Lab Control Sample Dup	102	89
LCSD 880-111759/3-A	Lab Control Sample Dup	76	83
MB 880-111750/1-A	Method Blank	75	75
MB 880-111759/1-A	Method Blank	84	87
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111766/5-A

Matrix: Solid

Analysis Batch: 111753

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111766

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 13:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 13:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 13:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/09/25 10:26	06/09/25 13:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/09/25 10:26	06/09/25 13:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/09/25 10:26	06/09/25 13:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/09/25 10:26	06/09/25 13:40	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/09/25 10:26	06/09/25 13:40	1

Lab Sample ID: LCS 880-111766/1-A

Matrix: Solid

Analysis Batch: 111753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09768		mg/Kg		98	70 - 130
Toluene	0.100	0.08918		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09476		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1990		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09898		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-111766/2-A

Matrix: Solid

Analysis Batch: 111753

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111766

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1004		mg/Kg		100	70 - 130	3	35
Toluene	0.100	0.09131		mg/Kg		91	70 - 130	2	35
Ethylbenzene	0.100	0.09765		mg/Kg		98	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

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

Lab Sample ID: MB 880-111750/1-A

Matrix: Solid

Analysis Batch: 111972

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111750

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		06/09/25 08:22	06/11/25 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/09/25 08:22	06/11/25 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/09/25 08:22	06/11/25 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			06/09/25 08:22	06/11/25 19:57	1
o-Terphenyl	75		70 - 130			06/09/25 08:22	06/11/25 19:57	1

Lab Sample ID: LCS 880-111750/2-A

Matrix: Solid

Analysis Batch: 111972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111750

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	877.4		mg/Kg		88		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	899.7		mg/Kg		90		70 - 130	

Lab Sample ID: LCSD 880-111750/3-A

Matrix: Solid

Analysis Batch: 111972

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111750

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	900.7		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	927.2		mg/Kg		93	70 - 130	3	20
				LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	89		70 - 130								

Lab Sample ID: MB 880-111759/1-A

Matrix: Solid

Analysis Batch: 111870

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111759

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		06/09/25 09:12	06/11/25 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/09/25 09:12	06/11/25 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/09/25 09:12	06/11/25 01:37	1

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

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

Lab Sample ID: MB 880-111759/1-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111759

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/09/25 09:12	06/11/25 01:37	1
o-Terphenyl	87		70 - 130	06/09/25 09:12	06/11/25 01:37	1

Lab Sample ID: LCS 880-111759/2-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	823.8		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	877.1		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: LCSD 880-111759/3-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	835.8		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	906.4		mg/Kg		91	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 880-59088-4 MS
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: FS09
Prep Type: Total/NA
Prep Batch: 111759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	730.1		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	831.4		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	75		70 - 130

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

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

Lab Sample ID: 880-59088-4 MSD

Matrix: Solid

Analysis Batch: 111870

Client Sample ID: FS09

Prep Type: Total/NA

Prep Batch: 111759

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	998	728.0		mg/Kg		73	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	782.4		mg/Kg		76	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
o-Terphenyl	77		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111736/1-A

Matrix: Solid

Analysis Batch: 111866

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			06/10/25 13:50	1

Lab Sample ID: LCS 880-111736/2-A

Matrix: Solid

Analysis Batch: 111866

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.9		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-111736/3-A

Matrix: Solid

Analysis Batch: 111866

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	265.4		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-59088-1 MS

Matrix: Solid

Analysis Batch: 111866

Client Sample ID: FS03

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	223	F1	248	498.3	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-59088-1 MSD

Matrix: Solid

Analysis Batch: 111866

Client Sample ID: FS03

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	223	F1	248	502.0	F1	mg/Kg		112	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

GC VOA

Analysis Batch: 111753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-1	FS03	Total/NA	Solid	8021B	111766
880-59088-2	FS07	Total/NA	Solid	8021B	111766
880-59088-3	FS08	Total/NA	Solid	8021B	111766
880-59088-4	FS09	Total/NA	Solid	8021B	111766
880-59088-5	FS10	Total/NA	Solid	8021B	111766
880-59088-6	FS11	Total/NA	Solid	8021B	111766
880-59088-7	FS20	Total/NA	Solid	8021B	111766
880-59088-8	FS21	Total/NA	Solid	8021B	111766
880-59088-9	FS26	Total/NA	Solid	8021B	111766
880-59088-10	FS28	Total/NA	Solid	8021B	111766
MB 880-111766/5-A	Method Blank	Total/NA	Solid	8021B	111766
LCS 880-111766/1-A	Lab Control Sample	Total/NA	Solid	8021B	111766
LCSD 880-111766/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111766

Prep Batch: 111766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-1	FS03	Total/NA	Solid	5035	
880-59088-2	FS07	Total/NA	Solid	5035	
880-59088-3	FS08	Total/NA	Solid	5035	
880-59088-4	FS09	Total/NA	Solid	5035	
880-59088-5	FS10	Total/NA	Solid	5035	
880-59088-6	FS11	Total/NA	Solid	5035	
880-59088-7	FS20	Total/NA	Solid	5035	
880-59088-8	FS21	Total/NA	Solid	5035	
880-59088-9	FS26	Total/NA	Solid	5035	
880-59088-10	FS28	Total/NA	Solid	5035	
MB 880-111766/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111766/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111766/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 111906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-1	FS03	Total/NA	Solid	Total BTEX	
880-59088-2	FS07	Total/NA	Solid	Total BTEX	
880-59088-3	FS08	Total/NA	Solid	Total BTEX	
880-59088-4	FS09	Total/NA	Solid	Total BTEX	
880-59088-5	FS10	Total/NA	Solid	Total BTEX	
880-59088-6	FS11	Total/NA	Solid	Total BTEX	
880-59088-7	FS20	Total/NA	Solid	Total BTEX	
880-59088-8	FS21	Total/NA	Solid	Total BTEX	
880-59088-9	FS26	Total/NA	Solid	Total BTEX	
880-59088-10	FS28	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-1	FS03	Total/NA	Solid	8015NM Prep	
880-59088-2	FS07	Total/NA	Solid	8015NM Prep	
880-59088-3	FS08	Total/NA	Solid	8015NM Prep	
MB 880-111750/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 111750 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-111750/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111750/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 111759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-4	FS09	Total/NA	Solid	8015NM Prep	
880-59088-5	FS10	Total/NA	Solid	8015NM Prep	
880-59088-6	FS11	Total/NA	Solid	8015NM Prep	
880-59088-7	FS20	Total/NA	Solid	8015NM Prep	
880-59088-8	FS21	Total/NA	Solid	8015NM Prep	
880-59088-9	FS26	Total/NA	Solid	8015NM Prep	
880-59088-10	FS28	Total/NA	Solid	8015NM Prep	
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-59088-4 MS	FS09	Total/NA	Solid	8015NM Prep	
880-59088-4 MSD	FS09	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-4	FS09	Total/NA	Solid	8015B NM	111759
880-59088-5	FS10	Total/NA	Solid	8015B NM	111759
880-59088-6	FS11	Total/NA	Solid	8015B NM	111759
880-59088-7	FS20	Total/NA	Solid	8015B NM	111759
880-59088-8	FS21	Total/NA	Solid	8015B NM	111759
880-59088-9	FS26	Total/NA	Solid	8015B NM	111759
880-59088-10	FS28	Total/NA	Solid	8015B NM	111759
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015B NM	111759
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111759
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111759
880-59088-4 MS	FS09	Total/NA	Solid	8015B NM	111759
880-59088-4 MSD	FS09	Total/NA	Solid	8015B NM	111759

Analysis Batch: 111972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-1	FS03	Total/NA	Solid	8015B NM	111750
880-59088-2	FS07	Total/NA	Solid	8015B NM	111750
880-59088-3	FS08	Total/NA	Solid	8015B NM	111750
MB 880-111750/1-A	Method Blank	Total/NA	Solid	8015B NM	111750
LCS 880-111750/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111750
LCSD 880-111750/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111750

Analysis Batch: 111987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-1	FS03	Total/NA	Solid	8015 NM	
880-59088-2	FS07	Total/NA	Solid	8015 NM	
880-59088-3	FS08	Total/NA	Solid	8015 NM	
880-59088-4	FS09	Total/NA	Solid	8015 NM	
880-59088-5	FS10	Total/NA	Solid	8015 NM	
880-59088-6	FS11	Total/NA	Solid	8015 NM	
880-59088-7	FS20	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 111987 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-8	FS21	Total/NA	Solid	8015 NM	
880-59088-9	FS26	Total/NA	Solid	8015 NM	
880-59088-10	FS28	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-1	FS03	Soluble	Solid	DI Leach	
880-59088-2	FS07	Soluble	Solid	DI Leach	
880-59088-3	FS08	Soluble	Solid	DI Leach	
880-59088-4	FS09	Soluble	Solid	DI Leach	
880-59088-5	FS10	Soluble	Solid	DI Leach	
880-59088-6	FS11	Soluble	Solid	DI Leach	
880-59088-7	FS20	Soluble	Solid	DI Leach	
880-59088-8	FS21	Soluble	Solid	DI Leach	
880-59088-9	FS26	Soluble	Solid	DI Leach	
880-59088-10	FS28	Soluble	Solid	DI Leach	
MB 880-111736/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111736/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111736/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59088-1 MS	FS03	Soluble	Solid	DI Leach	
880-59088-1 MSD	FS03	Soluble	Solid	DI Leach	

Analysis Batch: 111866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59088-1	FS03	Soluble	Solid	300.0	111736
880-59088-2	FS07	Soluble	Solid	300.0	111736
880-59088-3	FS08	Soluble	Solid	300.0	111736
880-59088-4	FS09	Soluble	Solid	300.0	111736
880-59088-5	FS10	Soluble	Solid	300.0	111736
880-59088-6	FS11	Soluble	Solid	300.0	111736
880-59088-7	FS20	Soluble	Solid	300.0	111736
880-59088-8	FS21	Soluble	Solid	300.0	111736
880-59088-9	FS26	Soluble	Solid	300.0	111736
880-59088-10	FS28	Soluble	Solid	300.0	111736
MB 880-111736/1-A	Method Blank	Soluble	Solid	300.0	111736
LCS 880-111736/2-A	Lab Control Sample	Soluble	Solid	300.0	111736
LCSD 880-111736/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111736
880-59088-1 MS	FS03	Soluble	Solid	300.0	111736
880-59088-1 MSD	FS03	Soluble	Solid	300.0	111736

Lab Chronicle

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS03
Date Collected: 06/06/25 10:00
Date Received: 06/09/25 08:45

Lab Sample ID: 880-59088-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 17:06
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 17:06
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/12/25 02:10
Total/NA	Prep	8015NM Prep			111750	EL	EET MID	06/09/25 08:45
Total/NA	Analysis	8015B NM		1	111972	TKC	EET MID	06/12/25 02:10
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 15:54

Client Sample ID: FS07
Date Collected: 06/06/25 10:06
Date Received: 06/09/25 08:45

Lab Sample ID: 880-59088-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 18:40
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 18:40
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/12/25 02:25
Total/NA	Prep	8015NM Prep			111750	EL	EET MID	06/09/25 08:45
Total/NA	Analysis	8015B NM		1	111972	TKC	EET MID	06/12/25 02:25
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 16:16

Client Sample ID: FS08
Date Collected: 06/06/25 15:00
Date Received: 06/09/25 08:45

Lab Sample ID: 880-59088-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 19:01
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 19:01
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/12/25 02:41
Total/NA	Prep	8015NM Prep			111750	EL	EET MID	06/09/25 08:45
Total/NA	Analysis	8015B NM		1	111972	TKC	EET MID	06/12/25 02:41
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 16:23

Client Sample ID: FS09
Date Collected: 06/06/25 10:10
Date Received: 06/09/25 08:45

Lab Sample ID: 880-59088-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 19:21
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 19:21

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS09**Lab Sample ID: 880-59088-4****Date Collected: 06/06/25 10:10****Matrix: Solid****Date Received: 06/09/25 08:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/11/25 02:24
Total/NA	Prep	8015NM Prep			111759	EL	EET MID	06/09/25 09:12
Total/NA	Analysis	8015B NM		1	111870	TKC	EET MID	06/11/25 02:24
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 16:45

Client Sample ID: FS10**Lab Sample ID: 880-59088-5****Date Collected: 06/06/25 15:15****Matrix: Solid****Date Received: 06/09/25 08:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 19:42
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 19:42
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/11/25 03:11
Total/NA	Prep	8015NM Prep			111759	EL	EET MID	06/09/25 09:12
Total/NA	Analysis	8015B NM		1	111870	TKC	EET MID	06/11/25 03:11
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 16:53

Client Sample ID: FS11**Lab Sample ID: 880-59088-6****Date Collected: 06/06/25 10:14****Matrix: Solid****Date Received: 06/09/25 08:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 20:02
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 20:02
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/11/25 03:27
Total/NA	Prep	8015NM Prep			111759	EL	EET MID	06/09/25 09:12
Total/NA	Analysis	8015B NM		1	111870	TKC	EET MID	06/11/25 03:27
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 17:00

Client Sample ID: FS20**Lab Sample ID: 880-59088-7****Date Collected: 06/06/25 10:36****Matrix: Solid****Date Received: 06/09/25 08:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 20:23
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 20:23
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/11/25 03:43
Total/NA	Prep	8015NM Prep			111759	EL	EET MID	06/09/25 09:12
Total/NA	Analysis	8015B NM		1	111870	TKC	EET MID	06/11/25 03:43

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Client Sample ID: FS20

Lab Sample ID: 880-59088-7

Date Collected: 06/06/25 10:36

Matrix: Solid

Date Received: 06/09/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 17:07

Client Sample ID: FS21

Lab Sample ID: 880-59088-8

Date Collected: 06/06/25 15:20

Matrix: Solid

Date Received: 06/09/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 20:43
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 20:43
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/11/25 03:59
Total/NA	Prep	8015NM Prep			111759	EL	EET MID	06/09/25 09:12
Total/NA	Analysis	8015B NM		1	111870	TKC	EET MID	06/11/25 03:59
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 17:15

Client Sample ID: FS26

Lab Sample ID: 880-59088-9

Date Collected: 06/06/25 15:30

Matrix: Solid

Date Received: 06/09/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 21:04
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 21:04
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/11/25 04:15
Total/NA	Prep	8015NM Prep			111759	EL	EET MID	06/09/25 09:12
Total/NA	Analysis	8015B NM		1	111870	TKC	EET MID	06/11/25 04:15
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 17:22

Client Sample ID: FS28

Lab Sample ID: 880-59088-10

Date Collected: 06/06/25 15:40

Matrix: Solid

Date Received: 06/09/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			111766	AA	EET MID	06/09/25 10:26
Total/NA	Analysis	8021B		1	111753	MNR	EET MID	06/09/25 21:24
Total/NA	Analysis	Total BTEX		1	111906	SM	EET MID	06/09/25 21:24
Total/NA	Analysis	8015 NM		1	111987	SM	EET MID	06/11/25 04:31
Total/NA	Prep	8015NM Prep			111759	EL	EET MID	06/09/25 09:12
Total/NA	Analysis	8015B NM		1	111870	TKC	EET MID	06/11/25 04:31
Soluble	Leach	DI Leach			111736	SMC	EET MID	06/09/25 09:58
Soluble	Analysis	300.0		1	111866	CH	EET MID	06/10/25 17:29

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

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

Method Summary

Client: Ensolum
Project/Site: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

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: Crona SWD

Job ID: 880-59088-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-59088-1	FS03	Solid	06/06/25 10:00	06/09/25 08:45	2
880-59088-2	FS07	Solid	06/06/25 10:06	06/09/25 08:45	1
880-59088-3	FS08	Solid	06/06/25 15:00	06/09/25 08:45	2
880-59088-4	FS09	Solid	06/06/25 10:10	06/09/25 08:45	0.5
880-59088-5	FS10	Solid	06/06/25 15:15	06/09/25 08:45	1.5
880-59088-6	FS11	Solid	06/06/25 10:14	06/09/25 08:45	1
880-59088-7	FS20	Solid	06/06/25 10:36	06/09/25 08:45	2
880-59088-8	FS21	Solid	06/06/25 15:20	06/09/25 08:45	2'
880-59088-9	FS26	Solid	06/06/25 15:30	06/09/25 08:45	2
880-59088-10	FS28	Solid	06/06/25 15:40	06/09/25 08:45	3



Environment Testing
Xenco

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

Chain of Custody



880-59088 Chain of Custody

Project Manager:	Heddie Green	Bill to: (if different)	Aff: Heddie Green
Company Name:	Ensufum, LLC	Company Name:	
Address:	604 N. MARIE FIELD	Address:	
City, State ZIP:	MIDLAND, TX 79701	City, State ZIP:	
Phone:	432 557 8895	Email:	hgreen@ensufum.com

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 Name:	Corona SWD	Tum Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	03D3836002	☒ Routine ☐ Rush			None: NO Cool: Cool HCL: HCL H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Edley County	Due Date:			DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na
Sampler's Name:	Udeh Ayuka	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					
SAMPLE RECEIPT	Temp Blank: Yes () No ()	Wet Ice: Yes () No ()			
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	Parameters
F503	S	6/6/25	1000	2	C	1	BTEX 8021 TPH 8015 CHLORIDE 300
F507			1006	1			
F508			1500	2			
F509			1010	0.5			
F510			1515	1.5			
F511			1014	1			
F520			1036	2			
F521			1526	2'			
F526			1530	2			
F528	S	6/6/25	1546	3	C	1	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn 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
		6/9/25 8:15			

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-59088-1

SDG Number: Eddy County

Login Number: 59088

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 6/17/2025 4:29:22 PM Revision 1

JOB DESCRIPTION

Corona SWD
Eddy County

JOB NUMBER

880-59265-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

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



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

Generated
6/17/2025 4:29:22 PM
Revision 1

Client: Ensolum
Project/Site: Corona SWD

Laboratory Job ID: 880-59265-1
SDG: Eddy County

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Definitions/Glossary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Corona SWD

Job ID: 880-59265-1

Job ID: 880-59265-1

Eurofins Midland

**Job Narrative
880-59265-1**

REVISION

The report being provided is a revision of the original report sent on 6/16/2025. The report (revision 1) is being revised due to TPH 8015 needs to be reviewed for totals.

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 6/12/2025 4:10 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 2.6°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

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 880-112224 and analytical batch 880-112227 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 Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS01

Lab Sample ID: 880-59265-1

Date Collected: 06/12/25 10:16

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 2.5'

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		06/13/25 09:13	06/13/25 13:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 13:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 13:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/13/25 09:13	06/13/25 13:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 13:12	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/13/25 09:13	06/13/25 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/13/25 09:13	06/13/25 13:12	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/13/25 09:13	06/13/25 13:12	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			06/13/25 13:12	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			06/13/25 20:47	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		06/13/25 09:51	06/13/25 20:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 20:47	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/13/25 09:51	06/13/25 20:47	1
o-Terphenyl	103		70 - 130	06/13/25 09:51	06/13/25 20:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		10.1	mg/Kg			06/14/25 01:43	1

Client Sample ID: FS05

Lab Sample ID: 880-59265-2

Date Collected: 06/12/25 10:18

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 1.5'

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		06/13/25 09:13	06/13/25 13:33	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 13:33	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 13:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/13/25 09:13	06/13/25 13:33	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 13:33	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/13/25 09:13	06/13/25 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/13/25 09:13	06/13/25 13:33	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS05

Lab Sample ID: 880-59265-2

Date Collected: 06/12/25 10:18

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	06/13/25 09:13	06/13/25 13:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			06/13/25 13:33	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			06/13/25 21:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 21:33	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 21:33	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 21:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			06/13/25 09:51	06/13/25 21:33	1
o-Terphenyl	104		70 - 130			06/13/25 09:51	06/13/25 21:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		9.98	mg/Kg			06/14/25 02:05	1

Client Sample ID: FS06

Lab Sample ID: 880-59265-3

Date Collected: 06/12/25 10:20

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 13:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 13:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 13:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/13/25 09:13	06/13/25 13:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 13:53	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/13/25 09:13	06/13/25 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/13/25 09:13	06/13/25 13:53	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/13/25 09:13	06/13/25 13:53	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			06/13/25 13:53	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			06/13/25 21:48	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS06

Lab Sample ID: 880-59265-3

Date Collected: 06/12/25 10:20

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/13/25 09:51	06/13/25 21:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/13/25 09:51	06/13/25 21:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/13/25 09:51	06/13/25 21:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			06/13/25 09:51	06/13/25 21:48	1
o-Terphenyl	105		70 - 130			06/13/25 09:51	06/13/25 21:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	494		10.1	mg/Kg			06/14/25 02:12	1

Client Sample ID: FS12

Lab Sample ID: 880-59265-4

Date Collected: 06/12/25 10:26

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 14:13	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 14:13	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 14:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/13/25 09:13	06/13/25 14:13	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 14:13	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/13/25 09:13	06/13/25 14:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/13/25 09:13	06/13/25 14:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130			06/13/25 09:13	06/13/25 14:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			06/13/25 14:13	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			06/13/25 22:04	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		06/13/25 09:51	06/13/25 22:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/13/25 09:51	06/13/25 22:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/13/25 09:51	06/13/25 22:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			06/13/25 09:51	06/13/25 22:04	1
o-Terphenyl	105		70 - 130			06/13/25 09:51	06/13/25 22:04	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS12

Lab Sample ID: 880-59265-4

Date Collected: 06/12/25 10:26

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		10.1	mg/Kg			06/14/25 02:19	1

Client Sample ID: FS14

Lab Sample ID: 880-59265-5

Date Collected: 06/12/25 10:28

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 14:34	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 14:34	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 14:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/13/25 09:13	06/13/25 14:34	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/13/25 09:13	06/13/25 14:34	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/13/25 09:13	06/13/25 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/13/25 09:13	06/13/25 14:34	1
1,4-Difluorobenzene (Surr)	99		70 - 130			06/13/25 09:13	06/13/25 14:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			06/13/25 14:34	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			06/13/25 22:19	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	<49.7	U	49.7	mg/Kg		06/13/25 09:51	06/13/25 22:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/13/25 09:51	06/13/25 22:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/13/25 09:51	06/13/25 22:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			06/13/25 09:51	06/13/25 22:19	1
o-Terphenyl	106		70 - 130			06/13/25 09:51	06/13/25 22:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	271		9.98	mg/Kg			06/14/25 02:27	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS15

Lab Sample ID: 880-59265-6

Date Collected: 06/12/25 10:30

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 15:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 15:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 15:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 15:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 15:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/13/25 09:13	06/13/25 15:56	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/13/25 09:13	06/13/25 15:56	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			06/13/25 15:56	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			06/13/25 22:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 22:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 22:35	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/13/25 09:51	06/13/25 22:35	1
o-Terphenyl	101		70 - 130	06/13/25 09:51	06/13/25 22:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	338		9.96	mg/Kg			06/14/25 02:48	1

Client Sample ID: FS16

Lab Sample ID: 880-59265-7

Date Collected: 06/12/25 10:32

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 16:17	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 16:17	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 16:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 16:17	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 16:17	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/13/25 09:13	06/13/25 16:17	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS16

Lab Sample ID: 880-59265-7

Date Collected: 06/12/25 10:32

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	06/13/25 09:13	06/13/25 16:17	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			06/13/25 16:17	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			06/13/25 22:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		06/13/25 09:51	06/13/25 22:49	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/13/25 09:51	06/13/25 22:49	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/13/25 09:51	06/13/25 22:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			06/13/25 09:51	06/13/25 22:49	1
o-Terphenyl	102		70 - 130			06/13/25 09:51	06/13/25 22:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		10.0	mg/Kg			06/14/25 02:55	1

Client Sample ID: FS17

Lab Sample ID: 880-59265-8

Date Collected: 06/12/25 10:34

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 16:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 16:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 16:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 16:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 16:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/13/25 09:13	06/13/25 16:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/13/25 09:13	06/13/25 16:37	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			06/13/25 16:37	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			06/13/25 23:04	1

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Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS17

Lab Sample ID: 880-59265-8

Date Collected: 06/12/25 10:34

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/13/25 09:51	06/13/25 23:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/13/25 09:51	06/13/25 23:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/13/25 09:51	06/13/25 23:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			06/13/25 09:51	06/13/25 23:04	1
o-Terphenyl	110		70 - 130			06/13/25 09:51	06/13/25 23:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		9.94	mg/Kg			06/14/25 03:02	1

Client Sample ID: FS19

Lab Sample ID: 880-59265-9

Date Collected: 06/12/25 10:36

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 16:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 16:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 16:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/13/25 09:13	06/13/25 16:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 16:58	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/13/25 09:13	06/13/25 16:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/13/25 09:13	06/13/25 16:58	1
1,4-Difluorobenzene (Surr)	98		70 - 130			06/13/25 09:13	06/13/25 16:58	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			06/13/25 16:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			06/13/25 23:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 23:20	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 23:20	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		06/13/25 09:51	06/13/25 23:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			06/13/25 09:51	06/13/25 23:20	1
o-Terphenyl	109		70 - 130			06/13/25 09:51	06/13/25 23:20	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS19

Lab Sample ID: 880-59265-9

Date Collected: 06/12/25 10:36

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		9.98	mg/Kg			06/14/25 03:10	1

Client Sample ID: FS22

Lab Sample ID: 880-59265-10

Date Collected: 06/12/25 10:40

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 2'

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		06/13/25 09:13	06/13/25 17:18	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/13/25 09:13	06/13/25 17:18	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/13/25 09:13	06/13/25 17:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/13/25 09:13	06/13/25 17:18	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/13/25 09:13	06/13/25 17:18	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/13/25 09:13	06/13/25 17:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/13/25 09:13	06/13/25 17:18	1
1,4-Difluorobenzene (Surr)	97		70 - 130			06/13/25 09:13	06/13/25 17:18	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			06/13/25 17:18	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			06/13/25 23:34	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		06/13/25 09:51	06/13/25 23:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/13/25 09:51	06/13/25 23:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/13/25 09:51	06/13/25 23:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			06/13/25 09:51	06/13/25 23:34	1
o-Terphenyl	113		70 - 130			06/13/25 09:51	06/13/25 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		10.0	mg/Kg			06/14/25 03:17	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS23

Lab Sample ID: 880-59265-11

Date Collected: 06/12/25 10:42

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 17:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 17:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 17:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 17:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 17:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/13/25 09:13	06/13/25 17:38	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/13/25 09:13	06/13/25 17:38	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			06/13/25 17:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			06/14/25 00:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		06/13/25 09:51	06/14/25 00:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		06/13/25 09:51	06/14/25 00:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		06/13/25 09:51	06/14/25 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	06/13/25 09:51	06/14/25 00:05	1
o-Terphenyl	109		70 - 130	06/13/25 09:51	06/14/25 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144	F1	9.98	mg/Kg			06/14/25 03:24	1

Client Sample ID: FS24

Lab Sample ID: 880-59265-12

Date Collected: 06/12/25 10:44

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 17:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 17:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 17:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 17:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/13/25 09:13	06/13/25 17:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/13/25 09:13	06/13/25 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/13/25 09:13	06/13/25 17:59	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS24

Lab Sample ID: 880-59265-12

Date Collected: 06/12/25 10:44

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	06/13/25 09:13	06/13/25 17:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/13/25 17:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/14/25 00:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/13/25 09:51	06/14/25 00:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/13/25 09:51	06/14/25 00:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/13/25 09:51	06/14/25 00:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			06/13/25 09:51	06/14/25 00:20	1
o-Terphenyl	104		70 - 130			06/13/25 09:51	06/14/25 00:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		10.0	mg/Kg			06/14/25 03:46	1

Client Sample ID: FS25

Lab Sample ID: 880-59265-13

Date Collected: 06/12/25 10:46

Matrix: Solid

Date Received: 06/12/25 16:10

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 18:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 18:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 18:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/13/25 09:13	06/13/25 18:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 18:19	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/13/25 09:13	06/13/25 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/13/25 09:13	06/13/25 18:19	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/13/25 09:13	06/13/25 18:19	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			06/13/25 18:19	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			06/14/25 00:35	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS25
Date Collected: 06/12/25 10:46
Date Received: 06/12/25 16:10
Sample Depth: 2'

Lab Sample ID: 880-59265-13
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		06/13/25 09:51	06/14/25 00:35	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/13/25 09:51	06/14/25 00:35	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/13/25 09:51	06/14/25 00:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	98		70 - 130			06/13/25 09:51	06/14/25 00:35	1	
o-Terphenyl	103		70 - 130			06/13/25 09:51	06/14/25 00:35	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	141		9.98	mg/Kg			06/14/25 03:53	1	

Surrogate Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-59265-1	FS01	102	96
880-59265-2	FS05	103	95
880-59265-3	FS06	105	99
880-59265-4	FS12	102	96
880-59265-5	FS14	102	99
880-59265-6	FS15	102	96
880-59265-7	FS16	102	98
880-59265-8	FS17	100	96
880-59265-9	FS19	102	98
880-59265-10	FS22	102	97
880-59265-11	FS23	103	96
880-59265-12	FS24	104	96
880-59265-13	FS25	103	98
LCS 880-112165/1-A	Lab Control Sample	97	91
LCSD 880-112165/2-A	Lab Control Sample Dup	95	93
MB 880-112165/5-A	Method Blank	95	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)
880-59265-1	FS01	98	103
880-59265-1 MS	FS01	107	104
880-59265-1 MSD	FS01	106	104
880-59265-2	FS05	99	104
880-59265-3	FS06	101	105
880-59265-4	FS12	101	105
880-59265-5	FS14	101	106
880-59265-6	FS15	96	101
880-59265-7	FS16	98	102
880-59265-8	FS17	106	110
880-59265-9	FS19	104	109
880-59265-10	FS22	108	113
880-59265-11	FS23	104	109
880-59265-12	FS24	100	104
880-59265-13	FS25	98	103
LCS 880-112168/2-A	Lab Control Sample	124	122
LCSD 880-112168/3-A	Lab Control Sample Dup	121	119
MB 880-112168/1-A	Method Blank	92	98
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112165/5-A

Matrix: Solid

Analysis Batch: 112154

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112165

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 11:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 11:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 11:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/13/25 09:13	06/13/25 11:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/13/25 09:13	06/13/25 11:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/13/25 09:13	06/13/25 11:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/13/25 09:13	06/13/25 11:09	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/13/25 09:13	06/13/25 11:09	1

Lab Sample ID: LCS 880-112165/1-A

Matrix: Solid

Analysis Batch: 112154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1069		mg/Kg		107	70 - 130
Toluene	0.100	0.09926		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1068		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2179		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1100		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-112165/2-A

Matrix: Solid

Analysis Batch: 112154

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112165

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1061		mg/Kg		106	70 - 130	1	35
Toluene	0.100	0.09789		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2138		mg/Kg		107	70 - 130	2	35
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

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

Lab Sample ID: MB 880-112168/1-A

Matrix: Solid

Analysis Batch: 112175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112168

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		06/13/25 09:51	06/13/25 20:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/13/25 09:51	06/13/25 20:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/13/25 09:51	06/13/25 20:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			06/13/25 09:51	06/13/25 20:02	1
o-Terphenyl	98		70 - 130			06/13/25 09:51	06/13/25 20:02	1

Lab Sample ID: LCS 880-112168/2-A

Matrix: Solid

Analysis Batch: 112175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1144		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	124		70 - 130				
o-Terphenyl	122		70 - 130				

Lab Sample ID: LCSD 880-112168/3-A

Matrix: Solid

Analysis Batch: 112175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112168

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1126		mg/Kg		113	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1041		mg/Kg		104	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	121		70 - 130						
o-Terphenyl	119		70 - 130						

Lab Sample ID: 880-59265-1 MS

Matrix: Solid

Analysis Batch: 112175

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 112168

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	995	888.6		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	995	803.4		mg/Kg		81	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

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

Lab Sample ID: 880-59265-1 MS

Matrix: Solid

Analysis Batch: 112175

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 112168

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-59265-1 MSD

Matrix: Solid

Analysis Batch: 112175

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 112168

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	995	898.3		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U	995	789.7		mg/Kg		79	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	104		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112224/1-A

Matrix: Solid

Analysis Batch: 112227

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			06/14/25 01:22	1

Lab Sample ID: LCS 880-112224/2-A

Matrix: Solid

Analysis Batch: 112227

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.0		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-112224/3-A

Matrix: Solid

Analysis Batch: 112227

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	273.2		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-59265-1 MS

Matrix: Solid

Analysis Batch: 112227

Client Sample ID: FS01

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	144		253	416.1		mg/Kg		108	90 - 110

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QC Sample Results

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-59265-1 MSD
Matrix: Solid
Analysis Batch: 112227

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	144		253	411.4		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-59265-11 MS
Matrix: Solid
Analysis Batch: 112227

Client Sample ID: FS23
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	144	F1	250	420.3	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 880-59265-11 MSD
Matrix: Solid
Analysis Batch: 112227

Client Sample ID: FS23
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	144	F1	250	421.6	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

GC VOA

Analysis Batch: 112154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-1	FS01	Total/NA	Solid	8021B	112165
880-59265-2	FS05	Total/NA	Solid	8021B	112165
880-59265-3	FS06	Total/NA	Solid	8021B	112165
880-59265-4	FS12	Total/NA	Solid	8021B	112165
880-59265-5	FS14	Total/NA	Solid	8021B	112165
880-59265-6	FS15	Total/NA	Solid	8021B	112165
880-59265-7	FS16	Total/NA	Solid	8021B	112165
880-59265-8	FS17	Total/NA	Solid	8021B	112165
880-59265-9	FS19	Total/NA	Solid	8021B	112165
880-59265-10	FS22	Total/NA	Solid	8021B	112165
880-59265-11	FS23	Total/NA	Solid	8021B	112165
880-59265-12	FS24	Total/NA	Solid	8021B	112165
880-59265-13	FS25	Total/NA	Solid	8021B	112165
MB 880-112165/5-A	Method Blank	Total/NA	Solid	8021B	112165
LCS 880-112165/1-A	Lab Control Sample	Total/NA	Solid	8021B	112165
LCSD 880-112165/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112165

Prep Batch: 112165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-1	FS01	Total/NA	Solid	5035	
880-59265-2	FS05	Total/NA	Solid	5035	
880-59265-3	FS06	Total/NA	Solid	5035	
880-59265-4	FS12	Total/NA	Solid	5035	
880-59265-5	FS14	Total/NA	Solid	5035	
880-59265-6	FS15	Total/NA	Solid	5035	
880-59265-7	FS16	Total/NA	Solid	5035	
880-59265-8	FS17	Total/NA	Solid	5035	
880-59265-9	FS19	Total/NA	Solid	5035	
880-59265-10	FS22	Total/NA	Solid	5035	
880-59265-11	FS23	Total/NA	Solid	5035	
880-59265-12	FS24	Total/NA	Solid	5035	
880-59265-13	FS25	Total/NA	Solid	5035	
MB 880-112165/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112165/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112165/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 112249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-1	FS01	Total/NA	Solid	Total BTEX	
880-59265-2	FS05	Total/NA	Solid	Total BTEX	
880-59265-3	FS06	Total/NA	Solid	Total BTEX	
880-59265-4	FS12	Total/NA	Solid	Total BTEX	
880-59265-5	FS14	Total/NA	Solid	Total BTEX	
880-59265-6	FS15	Total/NA	Solid	Total BTEX	
880-59265-7	FS16	Total/NA	Solid	Total BTEX	
880-59265-8	FS17	Total/NA	Solid	Total BTEX	
880-59265-9	FS19	Total/NA	Solid	Total BTEX	
880-59265-10	FS22	Total/NA	Solid	Total BTEX	
880-59265-11	FS23	Total/NA	Solid	Total BTEX	
880-59265-12	FS24	Total/NA	Solid	Total BTEX	
880-59265-13	FS25	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

GC Semi VOA

Prep Batch: 112168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-1	FS01	Total/NA	Solid	8015NM Prep	
880-59265-2	FS05	Total/NA	Solid	8015NM Prep	
880-59265-3	FS06	Total/NA	Solid	8015NM Prep	
880-59265-4	FS12	Total/NA	Solid	8015NM Prep	
880-59265-5	FS14	Total/NA	Solid	8015NM Prep	
880-59265-6	FS15	Total/NA	Solid	8015NM Prep	
880-59265-7	FS16	Total/NA	Solid	8015NM Prep	
880-59265-8	FS17	Total/NA	Solid	8015NM Prep	
880-59265-9	FS19	Total/NA	Solid	8015NM Prep	
880-59265-10	FS22	Total/NA	Solid	8015NM Prep	
880-59265-11	FS23	Total/NA	Solid	8015NM Prep	
880-59265-12	FS24	Total/NA	Solid	8015NM Prep	
880-59265-13	FS25	Total/NA	Solid	8015NM Prep	
MB 880-112168/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112168/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112168/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-59265-1 MS	FS01	Total/NA	Solid	8015NM Prep	
880-59265-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-1	FS01	Total/NA	Solid	8015B NM	112168
880-59265-2	FS05	Total/NA	Solid	8015B NM	112168
880-59265-3	FS06	Total/NA	Solid	8015B NM	112168
880-59265-4	FS12	Total/NA	Solid	8015B NM	112168
880-59265-5	FS14	Total/NA	Solid	8015B NM	112168
880-59265-6	FS15	Total/NA	Solid	8015B NM	112168
880-59265-7	FS16	Total/NA	Solid	8015B NM	112168
880-59265-8	FS17	Total/NA	Solid	8015B NM	112168
880-59265-9	FS19	Total/NA	Solid	8015B NM	112168
880-59265-10	FS22	Total/NA	Solid	8015B NM	112168
880-59265-11	FS23	Total/NA	Solid	8015B NM	112168
880-59265-12	FS24	Total/NA	Solid	8015B NM	112168
880-59265-13	FS25	Total/NA	Solid	8015B NM	112168
MB 880-112168/1-A	Method Blank	Total/NA	Solid	8015B NM	112168
LCS 880-112168/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112168
LCSD 880-112168/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112168
880-59265-1 MS	FS01	Total/NA	Solid	8015B NM	112168
880-59265-1 MSD	FS01	Total/NA	Solid	8015B NM	112168

Analysis Batch: 112326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-1	FS01	Total/NA	Solid	8015 NM	
880-59265-2	FS05	Total/NA	Solid	8015 NM	
880-59265-3	FS06	Total/NA	Solid	8015 NM	
880-59265-4	FS12	Total/NA	Solid	8015 NM	
880-59265-5	FS14	Total/NA	Solid	8015 NM	
880-59265-6	FS15	Total/NA	Solid	8015 NM	
880-59265-7	FS16	Total/NA	Solid	8015 NM	
880-59265-8	FS17	Total/NA	Solid	8015 NM	
880-59265-9	FS19	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 112326 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-10	FS22	Total/NA	Solid	8015 NM	
880-59265-11	FS23	Total/NA	Solid	8015 NM	
880-59265-12	FS24	Total/NA	Solid	8015 NM	
880-59265-13	FS25	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 112224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-1	FS01	Soluble	Solid	DI Leach	
880-59265-2	FS05	Soluble	Solid	DI Leach	
880-59265-3	FS06	Soluble	Solid	DI Leach	
880-59265-4	FS12	Soluble	Solid	DI Leach	
880-59265-5	FS14	Soluble	Solid	DI Leach	
880-59265-6	FS15	Soluble	Solid	DI Leach	
880-59265-7	FS16	Soluble	Solid	DI Leach	
880-59265-8	FS17	Soluble	Solid	DI Leach	
880-59265-9	FS19	Soluble	Solid	DI Leach	
880-59265-10	FS22	Soluble	Solid	DI Leach	
880-59265-11	FS23	Soluble	Solid	DI Leach	
880-59265-12	FS24	Soluble	Solid	DI Leach	
880-59265-13	FS25	Soluble	Solid	DI Leach	
MB 880-112224/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112224/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112224/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59265-1 MS	FS01	Soluble	Solid	DI Leach	
880-59265-1 MSD	FS01	Soluble	Solid	DI Leach	
880-59265-11 MS	FS23	Soluble	Solid	DI Leach	
880-59265-11 MSD	FS23	Soluble	Solid	DI Leach	

Analysis Batch: 112227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-1	FS01	Soluble	Solid	300.0	112224
880-59265-2	FS05	Soluble	Solid	300.0	112224
880-59265-3	FS06	Soluble	Solid	300.0	112224
880-59265-4	FS12	Soluble	Solid	300.0	112224
880-59265-5	FS14	Soluble	Solid	300.0	112224
880-59265-6	FS15	Soluble	Solid	300.0	112224
880-59265-7	FS16	Soluble	Solid	300.0	112224
880-59265-8	FS17	Soluble	Solid	300.0	112224
880-59265-9	FS19	Soluble	Solid	300.0	112224
880-59265-10	FS22	Soluble	Solid	300.0	112224
880-59265-11	FS23	Soluble	Solid	300.0	112224
880-59265-12	FS24	Soluble	Solid	300.0	112224
880-59265-13	FS25	Soluble	Solid	300.0	112224
MB 880-112224/1-A	Method Blank	Soluble	Solid	300.0	112224
LCS 880-112224/2-A	Lab Control Sample	Soluble	Solid	300.0	112224
LCSD 880-112224/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112224
880-59265-1 MS	FS01	Soluble	Solid	300.0	112224
880-59265-1 MSD	FS01	Soluble	Solid	300.0	112224
880-59265-11 MS	FS23	Soluble	Solid	300.0	112224

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

HPLC/IC (Continued)

Analysis Batch: 112227 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59265-11 MSD	FS23	Soluble	Solid	300.0	112224

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

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS01**Lab Sample ID: 880-59265-1****Date Collected: 06/12/25 10:16****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 13:12
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 13:12
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 20:47
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 20:47
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 01:43

Client Sample ID: FS05**Lab Sample ID: 880-59265-2****Date Collected: 06/12/25 10:18****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 13:33
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 13:33
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 21:33
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 21:33
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 02:05

Client Sample ID: FS06**Lab Sample ID: 880-59265-3****Date Collected: 06/12/25 10:20****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 13:53
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 13:53
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 21:48
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 21:48
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 02:12

Client Sample ID: FS12**Lab Sample ID: 880-59265-4****Date Collected: 06/12/25 10:26****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 14:13
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 14:13

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS12**Lab Sample ID: 880-59265-4****Date Collected: 06/12/25 10:26****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 22:04
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 22:04
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 02:19

Client Sample ID: FS14**Lab Sample ID: 880-59265-5****Date Collected: 06/12/25 10:28****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 14:34
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 14:34
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 22:19
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 22:19
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 02:27

Client Sample ID: FS15**Lab Sample ID: 880-59265-6****Date Collected: 06/12/25 10:30****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 15:56
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 15:56
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 22:35
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 22:35
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 02:48

Client Sample ID: FS16**Lab Sample ID: 880-59265-7****Date Collected: 06/12/25 10:32****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 16:17
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 16:17
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 22:49
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 22:49

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Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS16**Lab Sample ID: 880-59265-7****Date Collected: 06/12/25 10:32****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 02:55

Client Sample ID: FS17**Lab Sample ID: 880-59265-8****Date Collected: 06/12/25 10:34****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 16:37
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 16:37
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 23:04
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 23:04
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 03:02

Client Sample ID: FS19**Lab Sample ID: 880-59265-9****Date Collected: 06/12/25 10:36****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 16:58
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 16:58
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 23:20
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 23:20
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 03:10

Client Sample ID: FS22**Lab Sample ID: 880-59265-10****Date Collected: 06/12/25 10:40****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 17:18
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 17:18
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/13/25 23:34
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/13/25 23:34
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 03:17

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Client Sample ID: FS23**Lab Sample ID: 880-59265-11****Date Collected: 06/12/25 10:42****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 17:38
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 17:38
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/14/25 00:05
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/14/25 00:05
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 03:24

Client Sample ID: FS24**Lab Sample ID: 880-59265-12****Date Collected: 06/12/25 10:44****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 17:59
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 17:59
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/14/25 00:20
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/14/25 00:20
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 03:46

Client Sample ID: FS25**Lab Sample ID: 880-59265-13****Date Collected: 06/12/25 10:46****Matrix: Solid****Date Received: 06/12/25 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			112165	MNR	EET MID	06/13/25 09:13
Total/NA	Analysis	8021B		1	112154	MNR	EET MID	06/13/25 18:19
Total/NA	Analysis	Total BTEX		1	112249	SM	EET MID	06/13/25 18:19
Total/NA	Analysis	8015 NM		1	112326	SM	EET MID	06/14/25 00:35
Total/NA	Prep	8015NM Prep			112168	FC	EET MID	06/13/25 09:51
Total/NA	Analysis	8015B NM		1	112175	TKC	EET MID	06/14/25 00:35
Soluble	Leach	DI Leach			112224	SI	EET MID	06/13/25 14:46
Soluble	Analysis	300.0		1	112227	CH	EET MID	06/14/25 03:53

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

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

Method Summary

Client: Ensolum
Project/Site: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

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: Corona SWD

Job ID: 880-59265-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-59265-1	FS01	Solid	06/12/25 10:16	06/12/25 16:10	2.5'
880-59265-2	FS05	Solid	06/12/25 10:18	06/12/25 16:10	1.5'
880-59265-3	FS06	Solid	06/12/25 10:20	06/12/25 16:10	1'
880-59265-4	FS12	Solid	06/12/25 10:26	06/12/25 16:10	2'
880-59265-5	FS14	Solid	06/12/25 10:28	06/12/25 16:10	3'
880-59265-6	FS15	Solid	06/12/25 10:30	06/12/25 16:10	3'
880-59265-7	FS16	Solid	06/12/25 10:32	06/12/25 16:10	3'
880-59265-8	FS17	Solid	06/12/25 10:34	06/12/25 16:10	3'
880-59265-9	FS19	Solid	06/12/25 10:36	06/12/25 16:10	3'
880-59265-10	FS22	Solid	06/12/25 10:40	06/12/25 16:10	2'
880-59265-11	FS23	Solid	06/12/25 10:42	06/12/25 16:10	3'
880-59265-12	FS24	Solid	06/12/25 10:44	06/12/25 16:10	2'
880-59265-13	FS25	Solid	06/12/25 10:46	06/12/25 16:10	2'

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



880-59286 Chain of Custody

www.xenco.com Page 1 of 2

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Reporting: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

Project Manager: Hadlie Green

Company Name: Ensolum, LLC

Address: 601 N Mendenfeld St Ste 400

City, State ZIP: Midland, TX 79701

Phone: (432) 557-8895

Bill to: (if different) Ensolum Attn: Hadlie Green

Company Name:

Address:

City, State ZIP:

Email: hgreen@ensolum.com / tguardian@ensolum.com

SAMPLE RECEIPT				ANALYSIS REQUEST				PRESERVATIVE CODES											
Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Temp Blank:	Yes	No	Wet Ice:	Yes	No	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature:	Parameters	Pres. Code	Turn Around	Due Date:	TAT starts the day received by the lab, if received by 4:30pm
Corona SWD	03D3836002	Eddy County	Tabatha Guardian	03D3836002	Yes	No			Yes	No									
Samples Received Intact:				Cooler Custody Seals:				Sample Custody Seals:				Total Containers:							
Temp Blank:				Yes				No											
Thermometer ID:				Correction Factor:				Temperature Reading:				Corrected Temperature:							
03D3836002				N/A				N/A				2-7				2-6			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont													
FS01	S	6/12/25	1016	2.5'	C	1	BTX 8021												
FS05	S	6/12/25	1018	1.5'	C	1	TPH 8015												
FS06	S	6/12/25	1020	1.5'	C	1	Chlorides 300												
FS12	S	6/12/25	1026	2.1'	C	1													
FS14	S	6/12/25	1028	3.1'	C	1													
FS15	S	6/12/25	1030	3.1'	C	1													
FS16	S	6/12/25	1032	3.1'	C	1													
FS17	S	6/12/25	1034	3.1'	C	1													
FS19	S	6/12/25	1036	3.1'	C	1													
FS22	S	6/12/25	1040	2.1'	C	1													

Total 200.7 / 6010 2008 / 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
1 [Signature]	[Signature]	6/12/25 10:16	2 [Signature]	[Signature]	
3 [Signature]	[Signature]		4 [Signature]	[Signature]	
5 [Signature]	[Signature]		6 [Signature]	[Signature]	

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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



Environment Testing
Xenco

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Hadlie Green	Bill to: (if different)	Enselum Attn Hadlie Green
Company Name:	Enselum, LLC	Company Name:	
Address:	601 N Maricopa St Ste 400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 557-8895	Email:	hgreen@enselum.com / hgreen@enselum.com

Project Name:		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	Corona SWD	☒ Routine	☐ Rush														None: NO	DI Water: H ₂ O	
Project Location:	03D3836002	Due Date:															Cool: Cool	MeOH: Me	
Sampler's Name:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN	
PO #:	Tabitha Guadian																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No													H ₃ PO ₄ : HP	
Samples Received Intact:	Yes No	Thermometer ID:														NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes No N/A	Correction Factor:														Na ₂ S ₂ O ₅ : NaSO ₃			
Sample Custody Seals:	Yes No N/A	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													Sample Comments
FS23	S	6/12/25	1642	3'	C	1													
FS24	S	6/12/25	1044	2'	C	1													
FS25	S	6/12/25	1046	2'	C	1													
							6/12/25												
							NFE												
							ZAS												

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471	

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>		6/12/25 1645	2 <i>[Signature]</i>		
3 <i>[Signature]</i>			4 <i>[Signature]</i>		
5 <i>[Signature]</i>			6 <i>[Signature]</i>		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-59265-1

SDG Number: Eddy County

Login Number: 59265

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



APPENDIX F

NMOCD Notifications



Outlook

RE: [EXTERNAL] Mewbourne - Extension Request - Corona SWD (Incident Number nAPP2503151234)

From Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Date Tue 4/22/2025 11:10 AM

To Hadlie Green <hgreen@ensolum.com>

Cc Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Connor Walker <cwalker@mewbourne.com>; Jeff Broom <jbroom@mewbourne.com>; john.hall@flatlandenergy.com <john.hall@flatlandenergy.com>; Corbin.Berrones@flatlandenergy.com <Corbin.Berrones@flatlandenergy.com>; scott.pechacek@flatlandenergy.com <scott.pechacek@flatlandenergy.com>

[**EXTERNAL EMAIL**]

Good morning Hadlie,

The extension request for NAPP2503151234 CORONA SWD LINE is approved. The new due date to submit your updated remediation plan or closure report to the OCD is July 15, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Hadlie Green <hgreen@ensolum.com>

Sent: Tuesday, April 15, 2025 2:55 PM

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

Cc: Connor Walker <cwalker@mewbourne.com>; Jeff Broom <jbroom@mewbourne.com>; John Hall <john.hall@flatlandenergy.com>; Corbin Berrones <Corbin.Berrones@flatlandenergy.com>; Scott Pechacek <scott.pechacek@flatlandenergy.com>

Subject: [EXTERNAL] Mewbourne - Extension Request - Corona SWD (Incident Number nAPP2503151234)

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

To Whom It May Concern,

Corona SWD (Incident Number nAPP2503151234)

Mewbourne Oil Company (Mewbourne) is requesting an extension for the current deadline of April 16, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the Corona SWD (Incident Number nAPP2503151234). The release was discovered on January 16, 2025. Initial assessment and delineation activities have been completed and excavation activities are required. Excavation activities are delayed due to the required completion of an ARMS review and pedestrian survey. In order to complete remediation efforts, review the laboratory analytical results, and submit a remediation work plan or closure report, Mewbourne requests a 90-day extension of this deadline until July 15, 2025.

Depth to groundwater is estimated to be greater than 100 feet bgs. The closest continuously flowing or significant watercourse to the Site is a river that is 4,670 feet 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 line. The Site is a medium potential karst designation area. Potential Site receptors are identified on the attached Figure 1.

Thank you,



Hadlie Green

Project Geologist

432-557-8895

hgreen@ensolum.com

Ensolum, LLC



From: [Dan Moir](#)
To: [Wells, Shelly, EMNRD](#)
Subject: [EXTERNAL] RE: nAPP2503151234 CORONA SWD LINE Questions
Date: Tuesday, September 16, 2025 12:08:52 PM
Attachments: [Photographic Log_ 9-16-2025.pdf](#)

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

Hello Shelly,

Hope you are doing well.

Thanks for the questions on this Site. I've attached a photolog that adds to the excavation photos and includes the northern most area representing FS26 through FS28. Many of these off pad releases can prove challenging to depict obvious sidewalls since the spill usually soaks in a localized portion and the excavation is slopped to the center point of the travel path and doesn't depict a defined vertical sidewall. We also slope them to be safe per OSHA, so they tend to be graded from the ground surface to the excavation floor. I hope the attached photolog will help you see the final excavation extent as you are looking for. And to answer your question regarding photo 4 in the Closure Request, that area represents confirmation floor sample locations FS16 and FS17, the center portion of the excavation.

I hope these photos help you in your review of the closure request. Please feel free to ask any other questions that would help you see Mewbourne has remediated this release appropriately. On a side note, a Reclamation Report is being prepared discussing backfill and seeding processes and then a revegetation report will be submitted sometime next year, once we have had a chance to see the seeds take hold and hopefully fill in the excavated space to match the surrounding pasture.

Thanks again for reaching out.

Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist
303-887-2946
Ensolum, LLC

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, September 16, 2025 11:33 AM
To: Dan Moir <dmoir@ensolum.com>
Subject: nAPP2503151234 CORONA SWD LINE Questions

[**EXTERNAL EMAIL**]

Hi Dan,

I am reviewing the submitted remediation closure report for nAPP2503151234 CORONA SWD LINE and have questions for you. What photo(s) represent the area of the excavation demarcated by FS26-FS28? It is difficult to understand what I am looking at in each of the photos as the edges of sidewalls do not seem very defined other than Photograph 4. On that note, which area of the excavation am I seeing in Photograph 4?

Any help you can provide to make the review easier would be appreciated,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



Photographic Log
Mewbourne Oil Company
Corona SWD Line
Eddy County, New Mexico

Date & Time: Mon, Jun 02, 2025 at 05:04:24 MDT
Position: 032.712107°N / 103.916846°W (±0.5m)
Altitude: 3562ft (±10.7ft)
Datum: WGS-84
Azimuth/Bearing: 340° N89°E 1582mils True (±11°)
Elevation Angle: -18.6°
Horizon Angle: 402.0°
Zoom: 0.5X



Photograph: 1 Date: 6/2/2025
Description: Excavation Area FS17- FS28
View: Northwest

Date & Time: Tue, Jun 03, 2025 at 08:06:56 MDT
Position: 032.712164°N / 103.916910°W (±0.5m)
Altitude: 3562ft (±10.3ft)
Datum: WGS-84
Azimuth/Bearing: 089° N89°E 1582mils True (±11°)
Elevation Angle: -18.6°
Horizon Angle: 402.0°
Zoom: 0.5X



Photograph: 2 Date: 6/3/2025
Description: Excavation Area FS26- FS28
View: Northeast



Photograph: 3 Date: 6/6/2025
Description: Excavation Area of FS17-FS25
View: North



Photograph: 4 Date: 6/12/2025
Description: Excavation Area of FS14 to FS25
View: Northwest



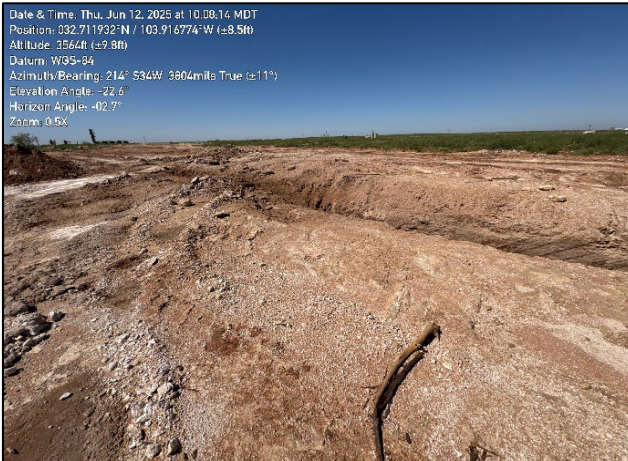
Photographic Log
Mewbourne Oil Company
Corona SWD Line
Eddy County, New Mexico

Date & Time: Thu, Jun 12, 2025 at 09:59:07 MDT
Position: 032.712261°N / 103.916868°W (±12.7ft)
Altitude: 3562ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 252° S72W 4490mils True (±10°)
Elevation Angle: +17.9°
Horizon Angle: -01.6°
Zoom: 0.5X



Photograph: 5 Date: 6/12/2025
Description: Excavation Area of FS25-FS28
View: Northwest

Date & Time: Thu, Jun 12, 2025 at 10:09:14 MDT
Position: 032.711932°N / 103.916774°W (±8.5ft)
Altitude: 3564ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 214° S34W 3804mils True (±11°)
Elevation Angle: -22.6°
Horizon Angle: +02.7°
Zoom: 0.5X



Photograph: 6 Date: 6/12/2025
Description: Excavation Area of FS16 to FS06
View: Southwest

Date & Time: Thu, Jun 12, 2025 at 10:07:45 MDT
Position: 032.711941°N / 103.916884°W (±9.8ft)
Altitude: 3567ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 180° S00W 3200mils True (±11°)
Elevation Angle: +16.8°
Horizon Angle: -02.6°
Zoom: 0.5X



Photograph: 7 Date: 6/12/2025
Description: Excavation Area of FS01-FS14, FS18,
FS20, FS21
View: Southwest

Date & Time: Thu, Jun 12, 2025 at 10:07:47 MDT
Position: 032.711941°N / 103.916884°W (±15.6ft)
Altitude: 3567ft (±12.9ft)
Datum: WGS-84
Azimuth/Bearing: 205° S25W 3644mils True (±11°)
Elevation Angle: +13.8°
Horizon Angle: -02.7°
Zoom: 0.5X



Photograph: 8 Date: 6/12/2025
Description: Excavation Area of FS01-FS09, FS11,
FS18
View: Southwest

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 498825

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 498825
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2503151234
Incident Name	NAPP2503151234 CORONA SWD LINE @ E-30-18S-31E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	CORONA SWD LINE
Date Release Discovered	01/16/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 32 BBL Recovered: 0 BBL Lost: 32 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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

QUESTIONS, Page 2

Action 498825

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 498825
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 01/31/2025
--	---

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 498825

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 498825
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9440
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50
GRO+DRO (EPA SW-846 Method 8015M)	50
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	01/16/2025
On what date will (or did) the final sampling or liner inspection occur	06/12/2025
On what date will (or was) the remediation complete(d)	06/12/2025
What is the estimated surface area (in square feet) that will be reclaimed	5680
What is the estimated volume (in cubic yards) that will be reclaimed	642
What is the estimated surface area (in square feet) that will be remediated	5680
What is the estimated volume (in cubic yards) that will be remediated	642
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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General Information
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Online Phone Directory
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 498825

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 498825
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 08/25/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 498825

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 498825
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 498825

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:
	14744
	Action Number:
	498825
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	472283
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/12/2025
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	4500

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5680
What was the total volume (cubic yards) remediated	642
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	5680
What was the total volume (in cubic yards) reclaimed	642
Summarize any additional remediation activities not included by answers (above)	excavation of impacted soil to the most stringent Table I Closure Criteria.
<i>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>	
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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 08/25/2025

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QUESTIONS, Page 7

Action 498825

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 498825
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 498825

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 498825
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/16/2025