



June 24, 2026

**New Mexico Oil Conservation Division**

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

**Re: Remediation Closure Report  
White Falcon 16D  
Incident Number nAPP2602459882  
Facility ID fAPP2200354912  
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this *Remediation Closure Report (Closure Report)* to document assessment, delineation, excavation and soil sampling activities completed at the White Falcon 16D (Site) following a release of crude oil and produced water into a lined containment and onto adjacent pad surface. Based on excavation activities and laboratory analytical results, COG is submitting this *Closure Request*, describing remediation activities that have occurred and requesting no further remedial action and closure for Incident Number nAPP2602459882.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit D, Section 16, Township 25 South, Range 35 East, in Lea County, New Mexico (32.13689°, -103.377804°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO) under active oil and gas Lease Number VB19720001.

On January 24, 2026, a ball valve from a separator line failed due to freezing temperatures causing the release of approximately 8 barrels (bbls) of crude oil and 23 bbls of produced water onto a lined containment and onto adjacent pad surface. A vacuum truck was dispatched to the Site to recover free standing fluids; approximately 25 bbls of released fluids were recovered. COG reported the release to the STL and New Mexico Oil Conservation Division (NMOCD) via *Notification of Release (NOR)* on January 24, 2026, and subsequently an *Initial C-141 Application (C-141)* on January 27, 2026. The release was assigned Incident Number nAPP2602459882.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on regional groundwater well data. The closest permitted groundwater well (USGS 320721103221201) is located 0.97 miles south of the Site and has a reported depth to groundwater of 166.71 feet bgs on February 29, 1996. An additional groundwater monitoring well (USGS 320704103222301) is located 1.01 miles south of the Site and has a reported depth to groundwater of 225.68 feet bgs on January 16, 2013. All wells used for groundwater determination are presented in Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a riverine, located approximately 1.22 miles east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

## **NMSLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW**

### Cultural Properties Protection

The entirety of the release extent was contained on pad and in containment, as such, the Site is exempt from the Cultural Properties Protection (CPP) Rule. As such, no additional cultural resource surveys were completed in connection with this release.

### Biological Review

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

- A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. A review of the Bureau of Land Management (BLM) NM Plant Wildlife Habitat maps indicated no potential habitats near the Site. No threatened and endangered species were identified as potentially being present in the area surrounding the Site; in addition, no native vegetation was disturbed during remediation activities.
- The Site is located within an NMSLO Candidate Conservation Agreement with Assurances (CCAA) area for the Lesser Prairie Chicken (LPC).
  - From March 1<sup>st</sup> through June 15<sup>th</sup>, no remediation activities will occur between the hours of 3:00 am to 9:00 am to protect any Lesser Prairie Chickens within the area.
- No environmentally sensitive receptors were located near the Site, as determined by the Site Characterization.

- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type at the Site as Pyote and Maljamar fine sands and Pyote soils and dune land. The Pyote soils and dune land is considered sensitive soils per the NMSLO guidelines; however, the release occurred on the caliche surface of the well pad, limiting contact with potentially sensitive native soil outside the pad boundary.

## SITE ASSESSMENT AND DELINEATION ACTIVITIES

On February 11, 2026, Ensolum personnel were at the Site to evaluate the release extent based on visual observations and information provided by COG. Ten delineation soil samples (SS01 through SS10) were collected within and around the release extent from a depth of approximately 0.5 feet bgs to assess for the presence or absence of impacted soil. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit, and a photographic log is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Environment Testing (Eurofins) in Carlsbad, New Mexico, for analysis of the following chemicals 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 delineation soil samples SS01 through SS05, and SS08 indicated that benzene, BTEX, chloride, and/or TPH concentrations exceeded the Site Closure Criteria. Laboratory analytical results for delineation soil samples SS06 through SS10, with the exception of SS08, indicated that all COC concentrations were compliant with the Site Closure Criteria. Based on visible staining in the release area and laboratory analytical results, further remediation activities were warranted.

On March 16, 2026, Ensolum personnel were at the Site to oversee delineation activities to assess the vertical extent of the impacted soil. Six delineation potholes (PH01 through PH06) were advanced within the release extent utilizing heavy equipment. The delineation locations were advanced to a maximum terminal depth of approximately 6 feet bgs. Discrete delineation soil samples were collected from each location from depths ranging from 1-foot to 6 feet bgs. The delineation soil samples were field screened for VOCs and chloride as previously described. Photographic documentation is included in Appendix B. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil samples were handled, transported, and analyzed as previously described. The release extent and delineation soil sample locations were mapped utilizing a handheld GPS unit and are depicted in Figure 2.

Laboratory analytical results for the delineation soil samples collected from PH01, PH02, PH04 through PH06, indicated that all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for delineation pothole PH03 indicated TPH concentrations exceeded the Site Closure Criteria at 1-foot bgs but was in compliance at 6 feet bgs. The laboratory analytical results are summarized on the attached Table 1.

## LINER INTEGRITY INSPECTION

On April 21, 2026, a 48-hour advanced notice of the liner inspection was submitted to the NMOCD. The lined containment was cleaned of all debris and power washed and a liner integrity inspection was conducted by Ensolum personnel on April 24, 2026. The lined containment was inspected, and it was determined that the liner was operating as designed. Upon inspection, no rips, tears, holes, or damage was observed. The liner was determined to be operating sufficiently. Photographic documentation of the inspection is included in Appendix B.

## EXCAVATION AND CONFIRMATION SOIL SAMPLING

Between April 20 and May 12, 2026, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining and laboratory analytical results. Excavation activities were performed using a heavy equipment. To direct excavation activities, Ensolum personnel field screened the soil samples by the above-mentioned methods. Following the removal of impacted soil, 5-point composite confirmation samples were collected representing no more than 200 square feet from the sidewalls and floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. The excavation samples were submitted for laboratory analysis all COCs at Eurofins or Cardinal Laboratory in Hobbs, New Mexico following the above analysis methods with the exception of chlorides following Standard Method 4500. Confirmation soil samples FS01 through FS09 were collected from the floor of the excavation at depths ranging from 1-foot to 2.5 feet bgs. Confirmation sidewall soil samples SW01 through SW03 were collected from the sidewalls of the excavation at depths ranging from ground surface to 2.5 feet bgs. The excavation extent and confirmation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 1,720 square feet. A total of approximately 120 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Disposal in Hobbs, New Mexico. The excavation has been backfilled with material sourced locally and recontoured to match pre-existing Site conditions.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation soil samples collected indicated that all COC concentrations were compliant with the Site Closure Criteria. Confirmation soil samples FS04, FS08, and SW01 initially indicated COC concentrations exceeded Site Closure Criteria and were subsequently excavated further. All delineation soil samples listed above that previously indicated COC concentrations exceeding Closure Criteria, were removed during excavation activities. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix D.

## CLOSURE REQUEST

Site assessment, delineation, and excavation activities were completed at the Site to address the January 2026 release of crude oil and produced water. Laboratory analytical results for confirmation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with Site Closure Criteria. Based on laboratory analytical results, no further remediation was warranted.

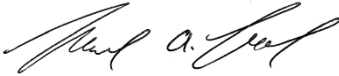
Excavation of impacted soil has mitigated adverse effects at this Site. Depth to groundwater is estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. COG believes these remedial actions are protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number nAPP2602459882.

COG Operating, LLC  
Remediation Closure Request  
White Falcon 16D

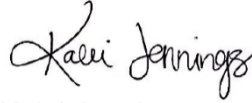
Page 5

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

Sincerely,  
**Ensolum, LLC**



Michael A. Wicker  
Senior Geologist



Kalei Jennings  
Senior Managing Scientist

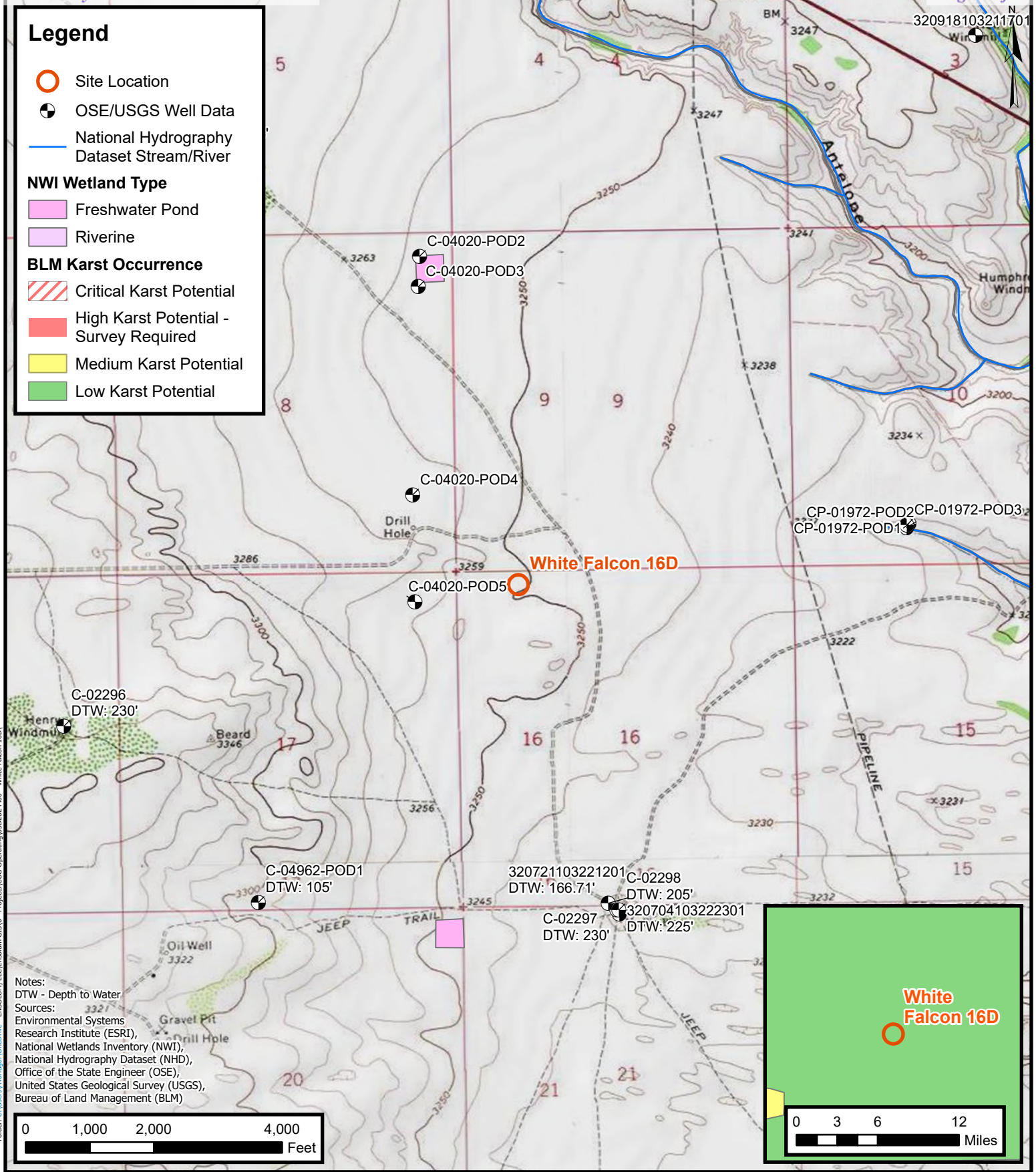
cc: Jacob Laird, ConocoPhillips Company  
New Mexico State Land Office

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Well Records
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Laboratory Analytical Reports
Appendix E	Agency Correspondence



FIGURES



Folder: C:\Users\Aveer\OneDrive - ENSOLUM, LLC\OneDrive - ENSOLUM, LLC\Projects\COG Operating\03202024\400 - White Falcon 16D

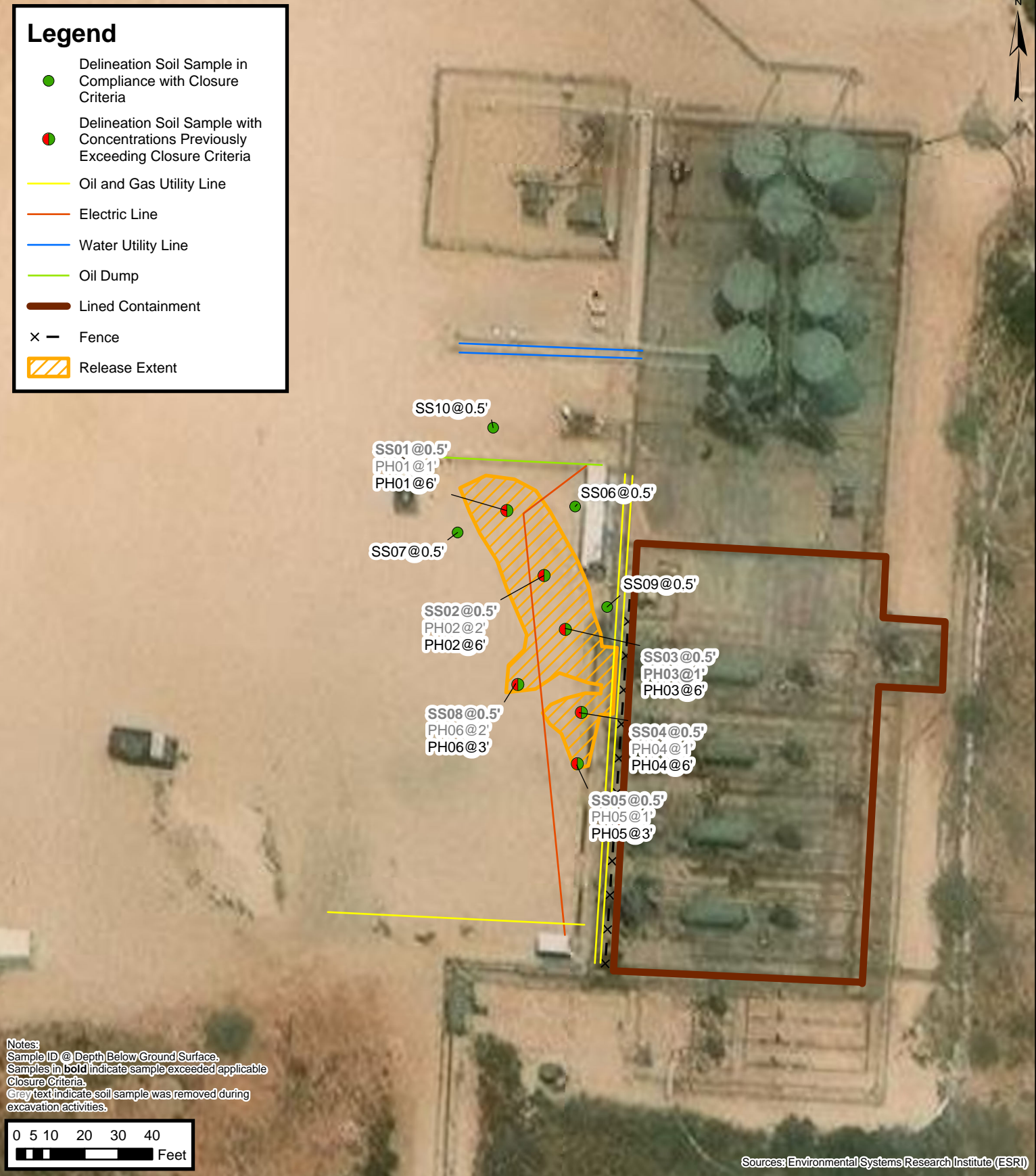


**Site Receptor Map**  
 COG Operating, LLC  
 White Falcon 16D  
 Incident Number: nAPP2602459882  
 Unit D, Section 16, T 25S, R 35E  
 Lea County, New Mexico

**FIGURE**  
 1

### Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Electric Line
- Water Utility Line
- Oil Dump
- Lined Containment
- x — Fence
- Release Extent



## Delineation Soil Sample Locations

COG Operating, LLC  
 White Falcon 16D  
 Incident Number: nAPP2602459882  
 Unit D, Section 16, T 25S, R 35E  
 Lea County, New Mexico

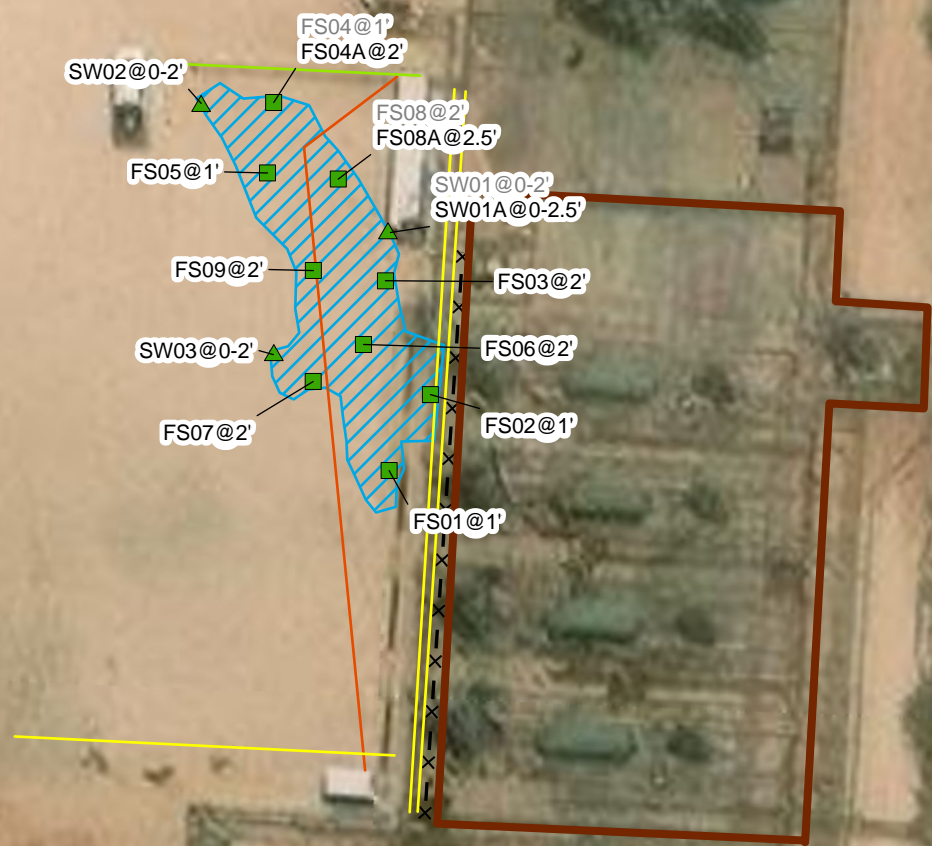
FIGURE

2

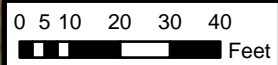


### Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Utility Line
- Water Utility Line
- Oil Dump
- Lined Containment
- x — Fence
- Excavation Extent



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



Sources: Environmental Systems Research Institute (ESRI)

## Confirmation Soil Sample Locations

COG Operating, LLC  
 White Falcon 16D  
 Incident Number: nAPP2602459882  
 Unit D, Section 16, T 25S, R 35E  
 Lea County, New Mexico

**FIGURE**  
**3**





TABLE



<b>TABLE 1</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> White Falcon 16D COG Operating, LLC Lea 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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Delineation Soil Samples</b>										
SS01	02/11/2026	0.5	0.818	121	3,110	17,900	2,070	21,010	23,080	615
PH01	03/16/2026	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
	03/16/2026	6	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	11.0
SS02	02/11/2026	0.5	4.06	120	3,040	31,900	4,170	34,940	39,110	1,400
PH02	03/16/2026	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<10.0
	03/16/2026	6	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	16.7
SS03	02/11/2026	0.5	0.260	118	1,170	12,700	<996	13,870	13,870	1,850
PH03	03/16/2026	1	<0.00199	<0.00398	487	992	<50.0	1,480	1,480	<10.1
	03/16/2026	6	0.00262	0.111	<49.8	<49.8	<49.8	<49.8	<49.8	18.5
SS04	02/11/2026	0.5	30.6	127	3,510	16,200	1,210	19,710	20,920	621
PH04	03/16/2026	1	0.00241	0.0485	<49.8	<49.8	<49.8	<49.8	<49.8	13.7
	03/16/2026	6	<0.00200	0.0142	<50.1	<50.1	<50.1	<50.1	<50.1	<10.1
SS05	02/11/2026	0.5	<0.00200	0.0649	<50.0	131	<50.0	131	131	11.7
PH05	03/16/2026	1	<0.00201	0.0147	<49.9	<49.9	<49.9	<49.9	<49.9	12.7
	03/16/2026	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	10.7
SS06	02/11/2026	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<10.1
SS07	02/11/2026	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	282
SS08	02/11/2026	0.5	<0.00199	<0.00398	<49.8	489	65.1	489	554	230
PH06	03/16/2026	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<10.0
	03/16/2026	3	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	<9.90
SS09	02/11/2026	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
SS10	02/11/2026	0.5	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	26.5
<b>Confirmation Soil Samples</b>										
FS01	04/20/2026	1	<0.050	<0.300	<10.0	11.0	<10.0	11.0	11.0	48.0
FS02	04/20/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS03	04/20/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS04	04/20/2026	1	<0.050	2.61	11.4	149	16.8	160	177	64.0
FS04A	05/12/2026	2	<0.00139	<0.00228	<14.5	16.7	<15.1	16.7	16.7	25.1
FS05	04/20/2026	1	<0.050	<0.300	<10.0	10.2	<10.0	10.2	10.2	<16.0
FS06	04/20/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0



<b>TABLE 1</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> White Falcon 16D COG Operating, LLC Lea 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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Delineation Soil Samples</b>										
FS07	04/21/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS08	04/21/2026	2	<0.050	<0.300	<10.0	187	13.4	187	200	16.0
FS08A	05/12/2026	2.5	<0.00140	<0.00230	<14.5	15.7	<15.1	15.7	15.7	12.6
FS09	04/21/2026	2	<0.050	<0.300	<10.0	62.4	<10.0	62.4	62.4	32.0
<b>Sidewall Confirmation Soil Samples</b>										
SW01	04/21/2026	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW01A	05/12/2026	0-2.5	<0.00141	<0.00231	<14.5	<15.1	<15.1	<15.1	<15.1	5.69
SW02	04/21/2026	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW03	04/21/2026	0-2	<0.050	<0.300	<10.0	25.7	<10.0	25.7	25.7	32.0

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NE: Not Established

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  
Well Records

---



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click to hide News 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 the Nation

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list = 

- 320704103222301

Minimum number of levels = 1

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

**USGS 320704103222301 25S.35E.21.122224**

Lea County, New Mexico  
Latitude 32°07'21.8", Longitude 103°22'22.7" NAD83  
Land-surface elevation 3,240.00 feet above NGVD29  
The depth of the well is 180 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

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 measur
1953-04-02			D 62610		3066.74	NGVD29	1	Z		
1953-04-02			D 62611		3068.24	NAVD88	1	Z		
1953-04-02			D 72019	173.26			1	Z		
1970-12-09			D 62610		3073.62	NGVD29	1	Z		
1970-12-09			D 62611		3075.12	NAVD88	1	Z		
1970-12-09			D 72019	166.38			1	Z		
1976-01-09			D 62610		3075.46	NGVD29	1	Z		
1976-01-09			D 62611		3076.96	NAVD88	1	Z		
1976-01-09			D 72019	164.54			1	Z		
2013-01-16	17:15 UTC		m 62610		3014.32	NGVD29	1	S	USGS	
2013-01-16	17:15 UTC		m 62611		3015.82	NAVD88	1	S	USGS	
2013-01-16	17:15 UTC		m 72019	225.68			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

Section	Code	Description
Water-level date-time accuracy	m	Date is accurate to the Minute
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	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
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 USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-01-27 11:01:34 EST

0.32 0.25 nadww01

# Monitoring location

25S.35E.21.122212 - USGS-320721103221201

**DID YOU KNOW** You can see all water data collected at this monitoring location in the *Available data* section of the page. Learn more about [centralized water data delivery](#) in WDFN.

1 year  10 years  Period of record

Scale Linear

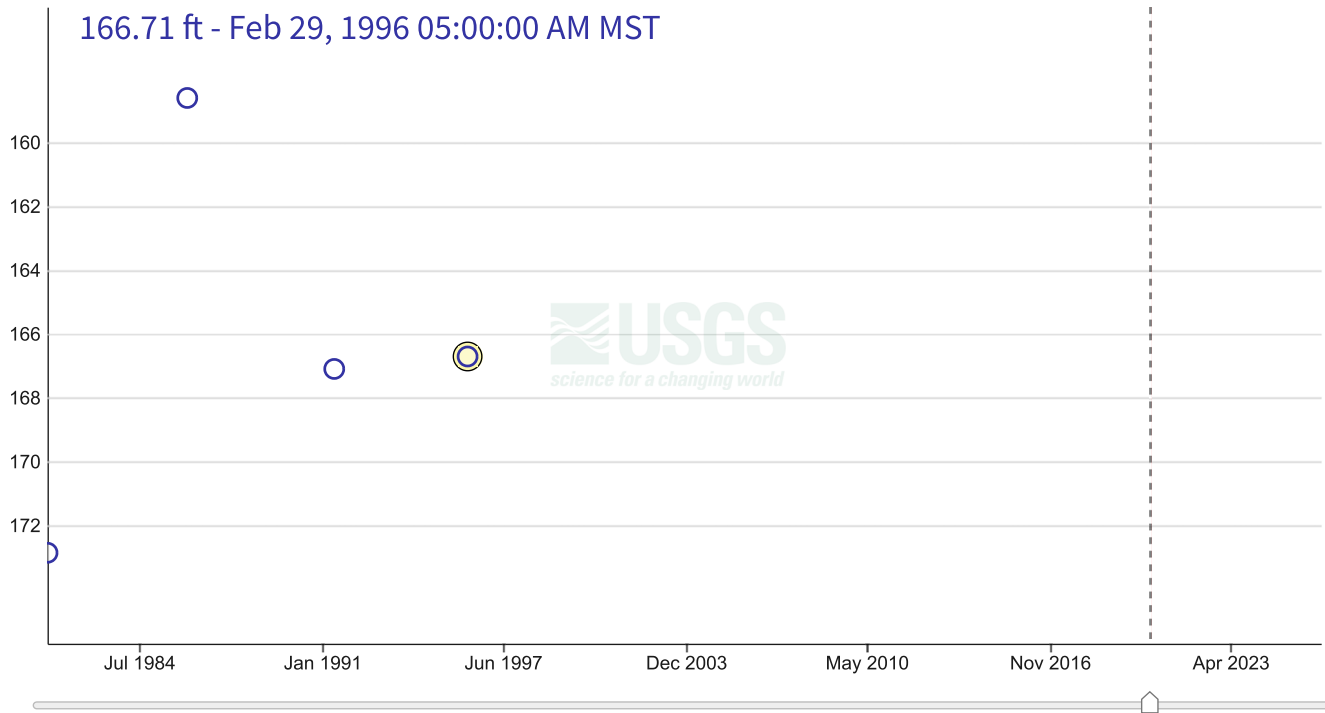
[Log](#)

## Field measurements

**25S.35E.21.122212 - USGS-320721103221201**

April 1, 1981 - June 17, 2026

**Depth to water level, feet below land surface**



IMPORTANT Data may be [provisional](#)

[Show legend](#) 

[Questions or Comments](#)

[Hide graph details](#) 

	Value	Status	
Selected field measurement	166.71	Approved Static	Feb 29, 1996 05:00:00 AM MST

[Hide graph details ^](#)

Change time span

Download data

View tabular data

Start typing a time code to filter the Time column:

**Depth to water level, feet below land surface -- field measurements**

Time ↓	Result	Approval	Qualifiers
1996-02-29 05:00:00 AM MST	166.71	Approved	Static
1991-06-06 06:00:00 AM MDT	167.10	Approved	Static
1986-03-18 05:00:00 AM MST	158.61	Approved	Static
1981-04-01 05:00:00 AM MST	172.86	Approved	Static

[Hide view tabular data ^](#)

**Available data**

Select data types to graph from categories based on the way the data were collected.

Learn about the data collection categories

Expand all data collections

**Continuous data**

0 data types available

**Daily data**

0 data types available

### Field measurements

3 data types available - data from 1981-04-01 to 1996-02-29

Hide these data types

Field measurements are physically measured values collected during a visit to the monitoring location.

[Learn about Field measurements](#)

	Data type	Data date range
Graphed	Depth to water level, feet below land surface	1981-04-01 1996-02-29
<a href="#">Graph it</a>	Groundwater level above NAVD 1988, feet	1981-04-01 1996-02-29
<a href="#">Graph it</a>	Groundwater level above NGVD 1929, feet	1981-04-01 1996-02-29

Hide these data types

### Discrete sample data

0 observed properties (data types) available

### Statistical tables for select daily data types

0 data types available

### Location details and information

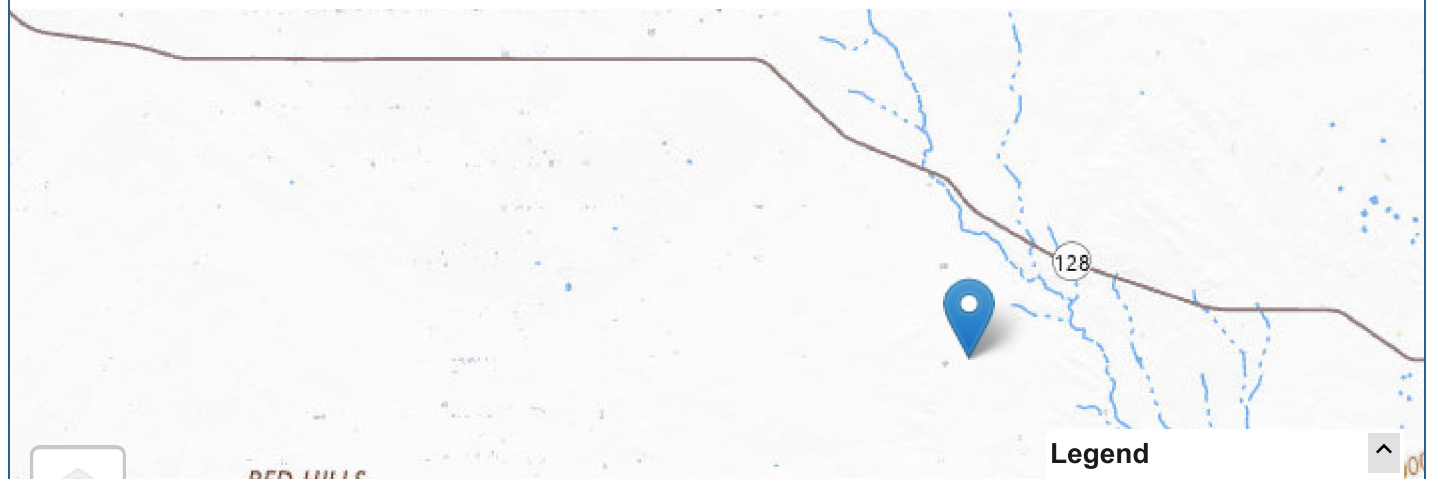
Show location details


### Monitoring locations with continuous data in last 120 days

No locations found

Zoom out to see link to My Favorites

[Use Explore USGS Water Data to discover additional data near this location](#)





Monitoring Location  
Active Monitoring Locations

5 km  
3 mi

ational Boundaries Dataset. 3DEP Elevation Program. Geographic Names Information System. National Hydrography Dataset. N...

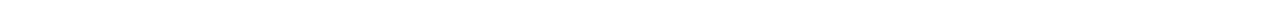
Interested in understanding how to access the upstream/downstream data? [Learn about the Network-Linked Data Index \(NLDI\)](#)

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## APPENDIX B

### Photographic Log



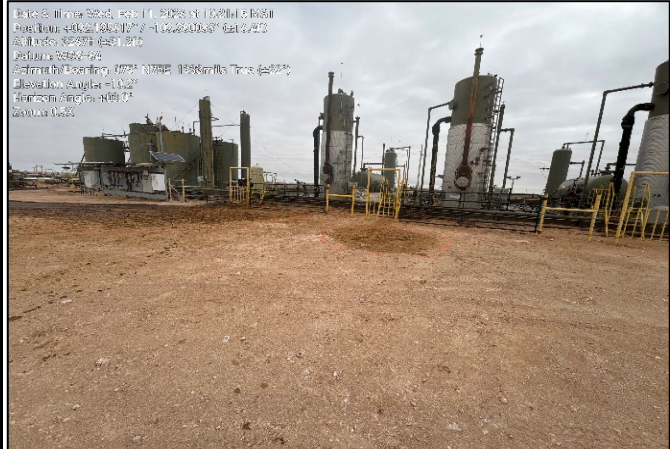


**Photographic Log**  
COG Operating, LLC  
White Falcon 16D  
nAPP2602459882



Photograph: 1 Date: 2/11/2026  
Description: Site assessment observations  
View: East

Photograph: 2 Date: 2/11/2026  
Description: Soil staining in release footprint  
View: Southeast



Photograph: 3 Date: 2/11/2026  
Description: Soil staining in release footprint  
View: Northeast

Photograph: 4 Date: 2/11/2026  
Description: Soil staining in release footprint  
View: Northeast



**Photographic Log**  
COG Operating, LLC  
White Falcon 16D  
nAPP2602459882



Photograph: 5                                      Date: 2/11/2026  
Description: Soil staining in release footprint  
View: Northeast

Photograph: 6                                      Date: 2/11/2026  
Description: Soil staining in release footprint  
View: Southeast



Photograph: 7                                      Date: 2/11/2026  
Description: Soil staining in release footprint  
View: Southeast

Photograph: 8                                      Date: 2/11/2026  
Description: Soil staining in release footprint  
View: Northeast

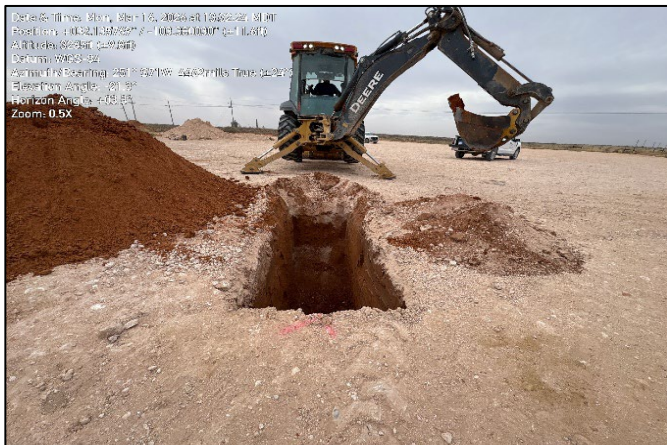


**Photographic Log**  
COG Operating, LLC  
White Falcon 16D  
nAPP2602459882



Photograph: 9 Date: 3/16/2026  
Description: Delineation activities at location PH05  
View: Southwest

Photograph: 10 Date: 3/16/2026  
Description: Delineation activities at location PH05  
View: Southwest



Photograph: 11 Date: 3/16/2026  
Description: Delineation activities at location PH06  
View: Southwest

Photograph: 12 Date: 3/16/2026  
Description: Delineation activities at location PH01  
View: West







**Photographic Log**  
COG Operating, LLC  
White Falcon 16D  
nAPP2602459882



Photograph: 21 Date: 4/20/2026  
Description: Excavation activities at location FS04  
View: Southeast

Photograph: 22 Date: 4/20/2026  
Description: Excavation activities at location FS01  
View: North



Photograph: 23 Date: 4/20/2026  
Description: Excavation activities at location FS06  
View: South

Photograph: 24 Date: 4/21/2026  
Description: Excavation activities at location FS08  
View: South

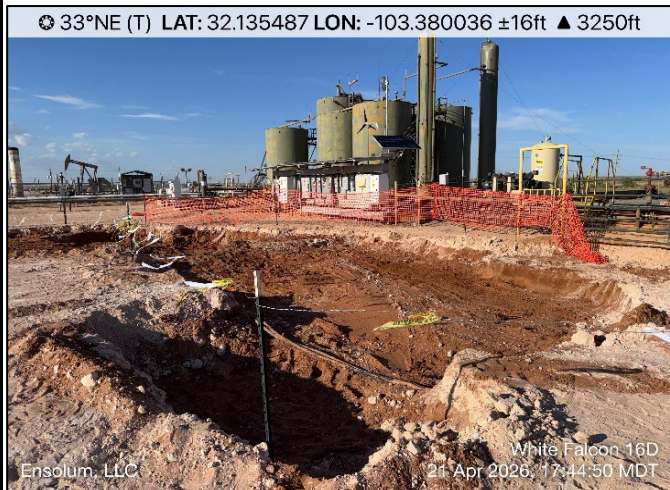


**Photographic Log**  
COG Operating, LLC  
White Falcon 16D  
nAPP2602459882



Photograph: 25 Date: 4/21/2026  
Description: Excavation activities at location FS01  
View: Northwest

Photograph: 26 Date: 4/21/2026  
Description: Excavation activities at location FS04  
View: Southeast

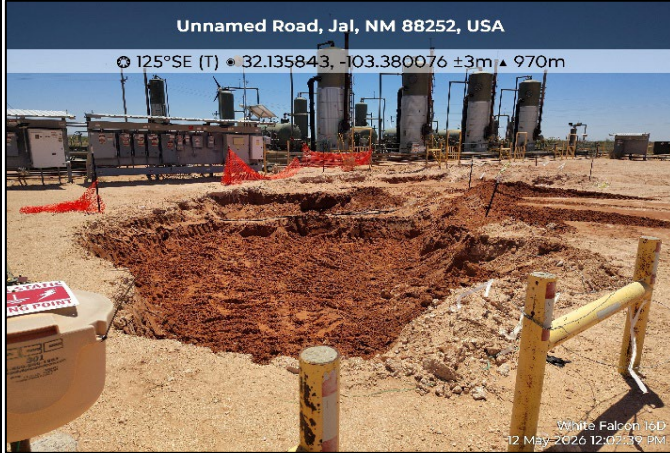


Photograph: 27 Date: 4/21/2026  
Description: Excavation activities at location FS05  
View: North

Photograph: 28 Date: 4/21/2026  
Description: Excavation activities at location FS07  
View: Northeast

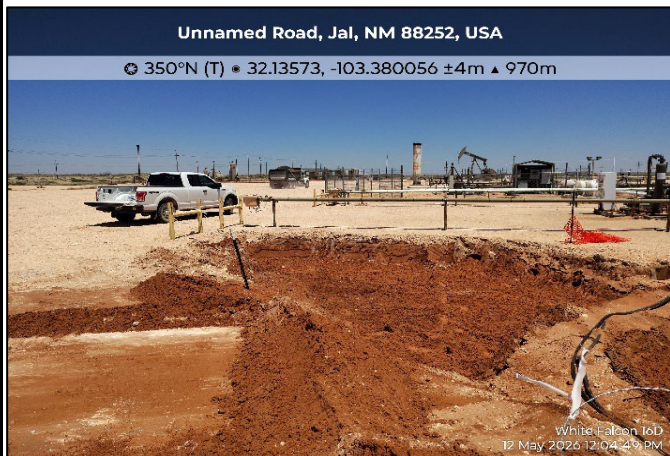


Photographic Log  
COG Operating, LLC  
White Falcon 16D  
nAPP2602459882



Photograph: 29 Date: 5/12/2026  
Description: Additional excavation activities  
View: Southeast

Photograph: 30 Date: 5/12/2026  
Description: Additional excavation activities  
View: West

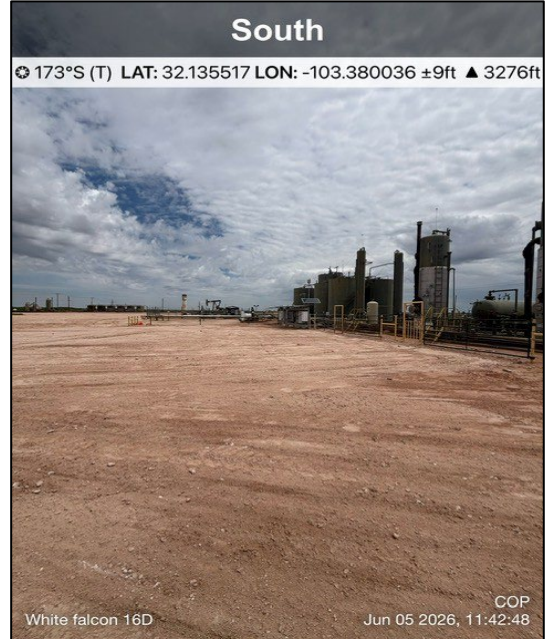


Photograph: 31 Date: 5/12/2026  
Description: Additional excavation activities  
View: North

Photograph: 32 Date: 5/12/2026  
Description: Additional excavation activities  
View: North



**Photographic Log**  
COG Operating, LLC  
White Falcon 16D  
nAPP2602459882



Photograph: 33 Date: 6/5/2026  
Description: Backfilled and recontoured  
View: South


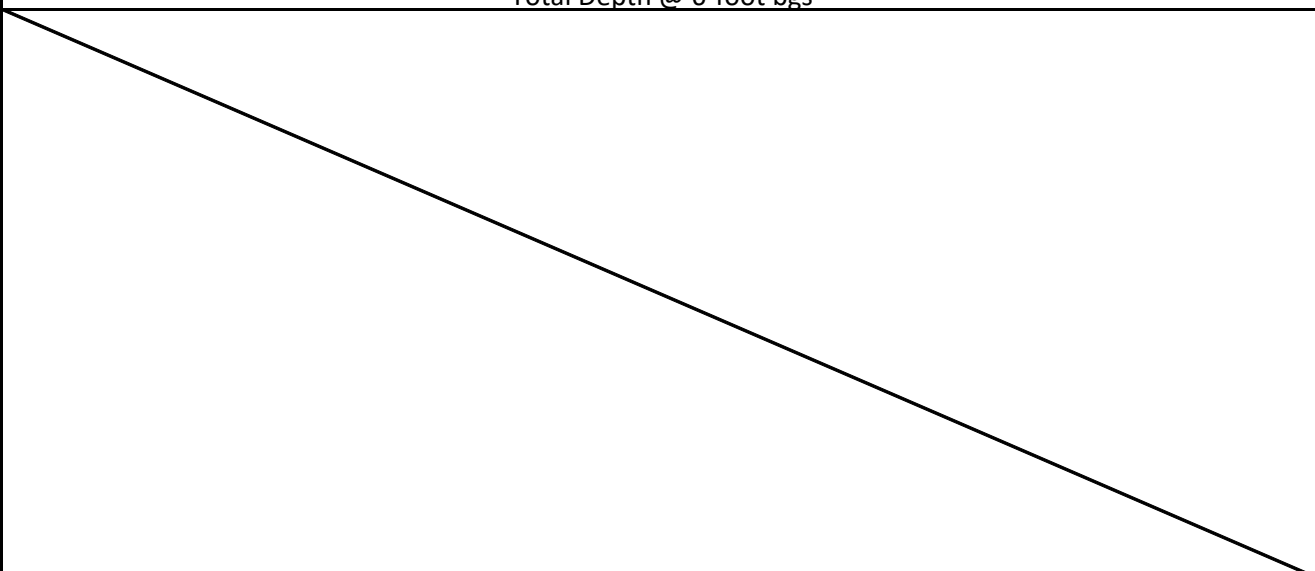
Photograph: 34 Date: 6/5/2026  
Description: Backfilled and recontoured  
View: North


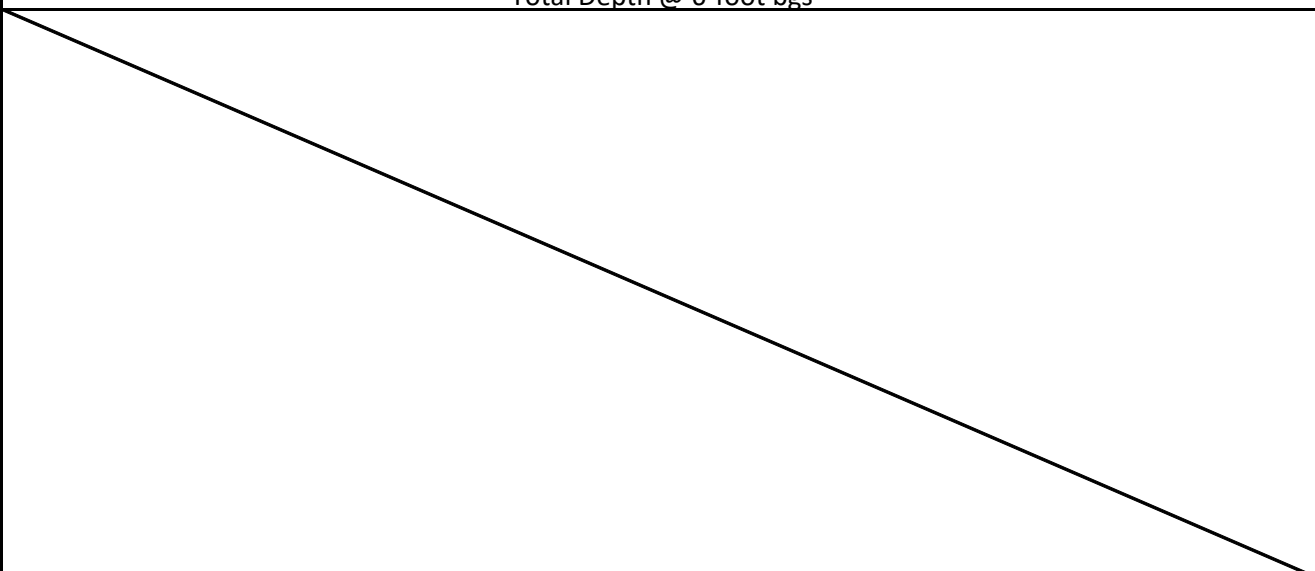



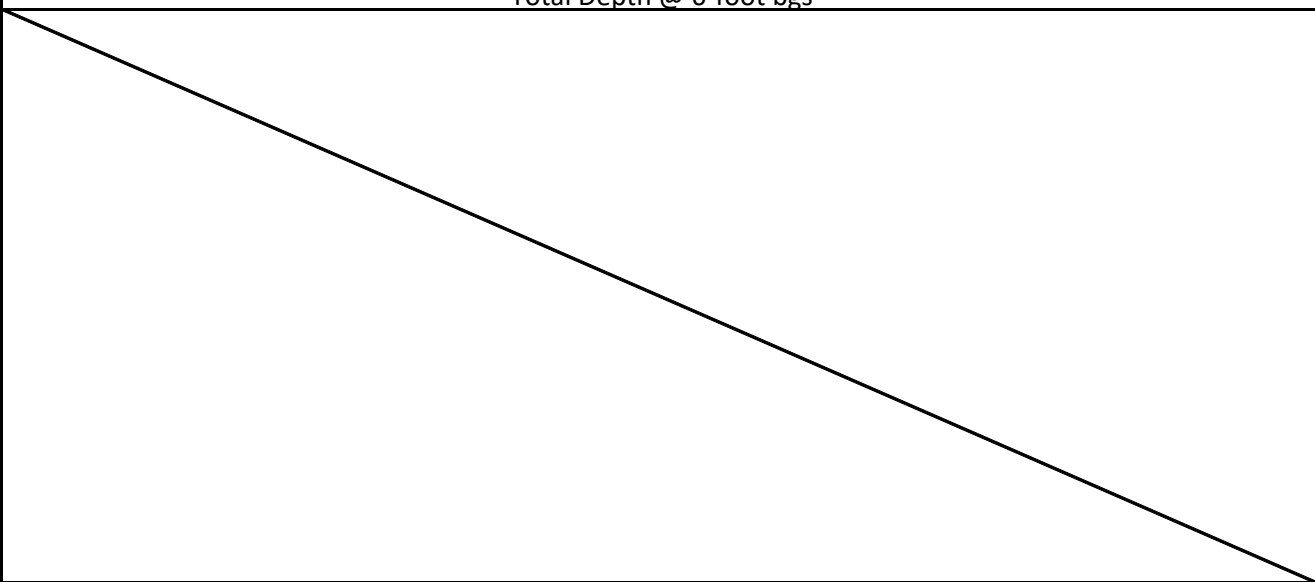
## APPENDIX C


# Lithologic Soil Sampling Logs


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					Sample Name: PH01		Date: 3/16/2026	
					Site Name: White Falcon 16D			
					Incident Number: nAPP2602459882			
					Job Number: 03D2024400			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: Serele Brooks		Method: Backhoe	
Coordinates: 32.135802, -103.380053					Hole Diameter: 2'		Total Depth: 6'	
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 and 40% correction factor.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<179	202.0	N	PH01	1	0	CCHE	(0-1') Caliche
D	<179	39.3	N		2	1	SP	
D	<179	25.9	N		3	2		(1-6') Sand, brown, very fine, dry
D	<179	18.8	N		4	3		
D	<179	2.1	N		5	4		
D	<179	0.7	N	PH06	6	5		
						Total Depth @ 6-foot bgs		
								

		Sample Name: PH02		Date: 3/16/2026				
		Site Name: White Falcon 16D						
		Incident Number: nAPP2602459882						
		Job Number: 03D2024400						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>				Logged By: Serele Brooks		Method: Backhoe		
Coordinates: 32.135750, -103.380015				Hole Diameter: 2'		Total Depth: 6'		
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 and 40% correction factor.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<179	9.3	N		1	1	CCHE	(0-1') Caliche
D	<179	47.3	N	PH02	2	2	SP	
D	<179	6.5	N		3	3		(1-6') Sand, brown, very fine, dry
D	<179	5.2	N		4	4		
D	<179	6.3	N		5	5		
D	<179	1.0	N	PH02	6	6		
Total Depth @ 6-foot bgs								
								

		Sample Name: PH03		Date: 3/16/2026				
		Site Name: White Falcon 16D						
		Incident Number: nAPP2602459882						
		Job Number: 03D2024400						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>				Logged By: Serele Brooks		Method: Backhoe		
Coordinates: 32.135707, -103.379993				Hole Diameter: 2'		Total Depth: 6'		
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 and 40% correction factor.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
					0	0	CCHE	(0-1') Caliche
D	<179	5,000	N	PH03	1	1	SP	
D	<179	43.0	N		2	2		(1-6') Sand, brown, very fine, dry
D	<179	63.7	N		3	3		
D	<179	90.1	N		4	4		
D	<179	83.4	N		5	5		
D	<179	47.8	N	PH03	6	6		
Total Depth @ 6-foot bgs								
								

						Sample Name: PH04		Date: 3/16/2026	
						Site Name: White Falcon 16D			
						Incident Number: nAPP2602459882			
						Job Number: 03D2024400			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>						Logged By: Serele Brooks		Method: Backhoe	
Coordinates: 32.135641, -103.379974						Hole Diameter: 2'		Total Depth: 10'	
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 and 40% correction factor.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D	<179	222.0	N	PH04	1	1	CCHE	(0-1') Caliche	
D	<179	175.9	N		2	2	SP		
D	<179	101.7	N		3	3			
D	<179	80.3	N		4	4			
D	<179	46.9	N		5	5			
D	<179	49.2	N	PH04	6	6		(1-10') Sand, brown, very fine, dry	
D	<179	32.8	N		7	7			
D	<179	13.5	N		8	8			
D	<179	5.4	N		9	9			
D	<179	0.7	N		10	10			
Total Depth @ 10-foot bgs									

		Sample Name: PH05		Date: 3/16/2026				
		Site Name: White Falcon 16D						
		Incident Number: nAPP2602459882						
		Job Number: 03D2024400						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.135599, -103.379976			Logged By: Serele Brooks		Method: Backhoe			
			Hole Diameter: 2'		Total Depth: 7'			
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 and 40% correction factor.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<179	2.3	N	PH05	1	1	SP	(0-1') Caliche       (1-7') Sand, brown, very fine, dry
D	<179	3.0	N		2	2		
D	<179	0.7	N	PH05	3	3	SP	
D	<179	5.1	N		4	4		
D	<179	5.1	N		5	5	SP	
D	<179	1.4	N		6	6		
D	<179	0.6	N		7	7		
Total Depth @ 7-foot bgs								

		Sample Name: PH06		Date: 3/16/2026				
		Site Name: White Falcon 16D						
		Incident Number: nAPP2602459882						
		Job Number: 03D2024400						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.135661, -103.380036			Logged By: Serele Brooks		Method: Backhoe			
			Hole Diameter: 2'		Total Depth: 6'			
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 and 40% correction factor.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<179	0.5	N		1	1	CCHE	(0-1') Caliche
D	<179	1.0	N	PH06	2	2	SP	
D	<179	0.4	N	PH06	3	3	SP	(1-6') Sand, brown, very fine, dry
D	<179	0.9	N		4	4		
D	<179	0.1	N		5	5		
D	<179	0.2	N		6	6		
Total Depth @ 6-foot bgs								



---

## APPENDIX D

# Laboratory Analytical Reports

---



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kalei Jennings  
 Ensolum  
 601 N. Marienfeld St.  
 Suite 400  
 Midland, Texas 79701  
 Generated 2/20/2026 8:43:20 AM

## JOB DESCRIPTION

WHITE FALCON 16D  
 Lea County NM

## JOB NUMBER

890-9497-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
2/20/2026 8:43:20 AM

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

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Client: Ensolum  
Project/Site: WHITE FALCON 16D

Laboratory Job ID: 890-9497-1  
SDG: Lea County NM

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## Definitions/Glossary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

Qualifier	Qualifier Description
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: WHITE FALCON 16D

Job ID: 890-9497-1

**Job ID: 890-9497-1**

**Eurofins Carlsbad**

### Job Narrative 890-9497-1

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

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

### Receipt

The samples were received on 2/11/2026 4:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-9497-1), SS 02 (890-9497-2), SS 03 (890-9497-3), SS 04 (890-9497-4), SS 05 (890-9497-5), SS 06 (890-9497-6), SS 07 (890-9497-7), SS 08 (890-9497-8), SS 09 (890-9497-9) and SS 10 (890-9497-10).

### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-131864 recovered under the lower control limit for Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.(CCV 880-131864/33)

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS 02 (890-9497-2) and SS 04 (890-9497-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-132054 and analytical batch 880-132045 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 8021B: The surrogate recovery for the blank associated with preparation batch 880-131923 and analytical batch 880-132160 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS 03 (890-9497-3), SS 05 (890-9497-5), SS 06 (890-9497-6), SS 07 (890-9497-7), SS 08 (890-9497-8), SS 09 (890-9497-9) and SS 10 (890-9497-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-131923 and analytical batch 880-132160 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-131923/1-A) and (LCSD 880-131923/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-68103-A-1-C MS) and (880-68103-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-132160 was outside the upper control limits.

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

Eurofins Carlsbad

### Case Narrative

Client: Ensolum  
Project: WHITE FALCON 16D

Job ID: 890-9497-1

**Job ID: 890-9497-1 (Continued)**

**Eurofins Carlsbad**

#### Diesel Range Organics

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131621 and analytical batch 880-132179 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 8015B NM: The continuing calibration verification (CCV) associated with batch 880-132179 recovered outside control limits for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-132179/67).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SS 01 (890-9497-1), SS 02 (890-9497-2), SS 03 (890-9497-3) and SS 04 (890-9497-4). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131671 and analytical batch 880-131969 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: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 01**

**Lab Sample ID: 890-9497-1**

Date Collected: 02/11/26 12:27

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.818		0.201	mg/Kg		02/16/26 12:24	02/17/26 00:17	100
Toluene	31.4		0.201	mg/Kg		02/16/26 12:24	02/17/26 00:17	100
Ethylbenzene	17.3		0.201	mg/Kg		02/16/26 12:24	02/17/26 00:17	100
m-Xylene & p-Xylene	50.3		0.402	mg/Kg		02/16/26 12:24	02/17/26 00:17	100
o-Xylene	21.0		0.201	mg/Kg		02/16/26 12:24	02/17/26 00:17	100
Xylenes, Total	71.3		0.402	mg/Kg		02/16/26 12:24	02/17/26 00:17	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/16/26 12:24	02/17/26 00:17	100
1,4-Difluorobenzene (Surr)	83		70 - 130	02/16/26 12:24	02/17/26 00:17	100

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	121		0.402	mg/Kg			02/17/26 00:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23100		1010	mg/Kg			02/18/26 21:42	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	3110		1010	mg/Kg		02/12/26 12:33	02/18/26 21:42	20
Diesel Range Organics (Over C10-C28)	17900		1010	mg/Kg		02/12/26 12:33	02/18/26 21:42	20
Oil Range Organics (Over C28-C36)	2070		1010	mg/Kg		02/12/26 12:33	02/18/26 21:42	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	262	S1+	70 - 130	02/12/26 12:33	02/18/26 21:42	20
o-Terphenyl	564	S1+	70 - 130	02/12/26 12:33	02/18/26 21:42	20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	615	F1	9.90	mg/Kg			02/16/26 23:44	1

**Client Sample ID: SS 02**

**Lab Sample ID: 890-9497-2**

Date Collected: 02/11/26 12:26

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.06		0.0398	mg/Kg		02/17/26 08:35	02/17/26 17:22	20
Toluene	37.4		0.994	mg/Kg		02/18/26 13:53	02/19/26 13:59	500
Ethylbenzene	15.7		0.994	mg/Kg		02/18/26 13:53	02/19/26 13:59	500
m-Xylene & p-Xylene	45.9		1.99	mg/Kg		02/18/26 13:53	02/19/26 13:59	500
o-Xylene	16.9		0.994	mg/Kg		02/18/26 13:53	02/19/26 13:59	500
Xylenes, Total	62.8		1.99	mg/Kg		02/18/26 13:53	02/19/26 13:59	500

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### Client Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 02**

**Lab Sample ID: 890-9497-2**

Date Collected: 02/11/26 12:26

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	431	S1+	70 - 130	02/17/26 08:35	02/17/26 17:22	20
1,4-Difluorobenzene (Surr)	75		70 - 130	02/17/26 08:35	02/17/26 17:22	20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>120</b>		1.99	mg/Kg			02/19/26 13:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>39100</b>		1000	mg/Kg			02/18/26 21:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3040		1000	mg/Kg		02/12/26 12:33	02/18/26 21:57	20
Diesel Range Organics (Over C10-C28)	31900		1000	mg/Kg		02/12/26 12:33	02/18/26 21:57	20
Oil Range Organics (Over C28-C36)	4170		1000	mg/Kg		02/12/26 12:33	02/18/26 21:57	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	305	S1+	70 - 130	02/12/26 12:33	02/18/26 21:57	20
o-Terphenyl	1031	S1+	70 - 130	02/12/26 12:33	02/18/26 21:57	20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>1400</b>		10.0	mg/Kg			02/17/26 00:04	1

**Client Sample ID: SS 03**

**Lab Sample ID: 890-9497-3**

Date Collected: 02/11/26 12:24

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.260		0.00200	mg/Kg		02/18/26 11:42	02/18/26 23:15	1
Toluene	11.5		1.01	mg/Kg		02/18/26 13:53	02/19/26 17:05	500
Ethylbenzene	7.15		1.01	mg/Kg		02/18/26 13:53	02/19/26 17:05	500
m-Xylene & p-Xylene	22.3		2.02	mg/Kg		02/18/26 13:53	02/19/26 17:05	500
o-Xylene	76.6		1.01	mg/Kg		02/18/26 13:53	02/19/26 17:05	500
<b>Xylenes, Total</b>	<b>98.9</b>		2.02	mg/Kg		02/18/26 13:53	02/19/26 17:05	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	639	S1+	70 - 130	02/18/26 11:42	02/18/26 23:15	1
1,4-Difluorobenzene (Surr)	115		70 - 130	02/18/26 11:42	02/18/26 23:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>118</b>		2.02	mg/Kg			02/19/26 17:05	1

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### Client Sample Results

Client: Ensolium  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 03**

**Lab Sample ID: 890-9497-3**

Date Collected: 02/11/26 12:24

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13900		996	mg/Kg			02/18/26 22:11	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	1170		996	mg/Kg		02/12/26 12:33	02/18/26 22:11	20
Diesel Range Organics (Over C10-C28)	12700		996	mg/Kg		02/12/26 12:33	02/18/26 22:11	20
Oil Range Organics (Over C28-C36)	<996	U	996	mg/Kg		02/12/26 12:33	02/18/26 22:11	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130			02/12/26 12:33	02/18/26 22:11	20
o-Terphenyl	445	S1+	70 - 130			02/12/26 12:33	02/18/26 22:11	20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1850		49.7	mg/Kg			02/17/26 00:11	5

**Client Sample ID: SS 04**

**Lab Sample ID: 890-9497-4**

Date Collected: 02/11/26 12:29

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	30.6		0.198	mg/Kg		02/17/26 08:35	02/17/26 17:42	100
Toluene	32.1		1.00	mg/Kg		02/18/26 13:53	02/19/26 13:38	500
Ethylbenzene	13.0		1.00	mg/Kg		02/18/26 13:53	02/19/26 13:38	500
m-Xylene & p-Xylene	37.2		2.00	mg/Kg		02/18/26 13:53	02/19/26 13:38	500
o-Xylene	14.3		1.00	mg/Kg		02/18/26 13:53	02/19/26 13:38	500
Xylenes, Total	51.5		2.00	mg/Kg		02/18/26 13:53	02/19/26 13:38	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	622	S1+	70 - 130			02/17/26 08:35	02/17/26 17:42	100
1,4-Difluorobenzene (Surr)	74		70 - 130			02/17/26 08:35	02/17/26 17:42	100

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	127		2.00	mg/Kg			02/19/26 13:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20900		997	mg/Kg			02/18/26 22:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3510		997	mg/Kg		02/12/26 12:33	02/18/26 22:26	20
Diesel Range Organics (Over C10-C28)	16200		997	mg/Kg		02/12/26 12:33	02/18/26 22:26	20
Oil Range Organics (Over C28-C36)	1210		997	mg/Kg		02/12/26 12:33	02/18/26 22:26	20

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### Client Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 04**

**Lab Sample ID: 890-9497-4**

Date Collected: 02/11/26 12:29

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	235	S1+	70 - 130	02/12/26 12:33	02/18/26 22:26	20
o-Terphenyl	539	S1+	70 - 130	02/12/26 12:33	02/18/26 22:26	20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	621		9.96	mg/Kg			02/17/26 00:31	1

**Client Sample ID: SS 05**

**Lab Sample ID: 890-9497-5**

Date Collected: 02/11/26 12:14

Matrix: Solid

Date Received: 02/11/26 16:16

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		02/16/26 11:42	02/18/26 23:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/18/26 23:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/18/26 23:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/16/26 11:42	02/18/26 23:35	1
<b>o-Xylene</b>	<b>0.0649</b>		0.00200	mg/Kg		02/16/26 11:42	02/18/26 23:35	1
<b>Xylenes, Total</b>	<b>0.0649</b>		0.00399	mg/Kg		02/16/26 11:42	02/18/26 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	182	S1+	70 - 130	02/16/26 11:42	02/18/26 23:35	1
1,4-Difluorobenzene (Surr)	88		70 - 130	02/16/26 11:42	02/18/26 23:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0649		0.00399	mg/Kg			02/18/26 23:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	131		50.0	mg/Kg			02/18/26 22:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 22:40	1
<b>Diesel Range Organics (Over C10-C28)</b>	<b>131</b>		50.0	mg/Kg		02/12/26 12:33	02/18/26 22:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/12/26 12:33	02/18/26 22:40	1
o-Terphenyl	105		70 - 130	02/12/26 12:33	02/18/26 22:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		9.98	mg/Kg			02/17/26 00:37	1

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### Client Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 06**

**Lab Sample ID: 890-9497-6**

Date Collected: 02/11/26 12:22

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/16/26 11:42	02/18/26 23:56	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/16/26 11:42	02/18/26 23:56	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/16/26 11:42	02/18/26 23:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/16/26 11:42	02/18/26 23:56	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/16/26 11:42	02/18/26 23:56	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/16/26 11:42	02/18/26 23:56	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130			02/16/26 11:42	02/18/26 23:56	1
1,4-Difluorobenzene (Surr)	86		70 - 130			02/16/26 11:42	02/18/26 23:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/18/26 23:56	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			02/18/26 22:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/12/26 12:33	02/18/26 22:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/12/26 12:33	02/18/26 22:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/12/26 12:33	02/18/26 22:53	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	96		70 - 130			02/12/26 12:33	02/18/26 22:53	1
o-Terphenyl	106		70 - 130			02/12/26 12:33	02/18/26 22:53	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			02/17/26 00:44	1

**Client Sample ID: SS 07**

**Lab Sample ID: 890-9497-7**

Date Collected: 02/11/26 14:02

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/16/26 11:42	02/19/26 00:16	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/16/26 11:42	02/19/26 00:16	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/16/26 11:42	02/19/26 00:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		02/16/26 11:42	02/19/26 00:16	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/16/26 11:42	02/19/26 00:16	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/16/26 11:42	02/19/26 00:16	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130			02/16/26 11:42	02/19/26 00:16	1

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### Client Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 07**

**Lab Sample ID: 890-9497-7**

Date Collected: 02/11/26 14:02

Matrix: Solid

Date Received: 02/11/26 16:16

Sample Depth: 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	02/16/26 11:42	02/19/26 00:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			02/19/26 00:16	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			02/18/26 23:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 23:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 23:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	02/12/26 12:33	02/18/26 23:08	1
o-Terphenyl	99		70 - 130	02/12/26 12:33	02/18/26 23:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		10.1	mg/Kg			02/17/26 00:51	1

**Client Sample ID: SS 08**

**Lab Sample ID: 890-9497-8**

Date Collected: 02/11/26 12:17

Matrix: Solid

Date Received: 02/11/26 16:16

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		02/16/26 11:42	02/19/26 00:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/16/26 11:42	02/19/26 00:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/16/26 11:42	02/19/26 00:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/16/26 11:42	02/19/26 00:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/16/26 11:42	02/19/26 00:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/16/26 11:42	02/19/26 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	02/16/26 11:42	02/19/26 00:37	1
1,4-Difluorobenzene (Surr)	79		70 - 130	02/16/26 11:42	02/19/26 00:37	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			02/19/26 00:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	554		49.8	mg/Kg			02/18/26 23:22	1

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### Client Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 08**

**Lab Sample ID: 890-9497-8**

Date Collected: 02/11/26 12:17

Matrix: Solid

Date Received: 02/11/26 16:16

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		02/12/26 12:33	02/18/26 23:22	1
<b>Diesel Range Organics (Over C10-C28)</b>	<b>489</b>		49.8	mg/Kg		02/12/26 12:33	02/18/26 23:22	1
<b>Oil Range Organics (Over C28-C36)</b>	<b>65.1</b>		49.8	mg/Kg		02/12/26 12:33	02/18/26 23:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			02/12/26 12:33	02/18/26 23:22	1
o-Terphenyl	115		70 - 130			02/12/26 12:33	02/18/26 23:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>230</b>		9.96	mg/Kg			02/17/26 00:57	1

**Client Sample ID: SS 09**

**Lab Sample ID: 890-9497-9**

Date Collected: 02/11/26 12:23

Matrix: Solid

Date Received: 02/11/26 16:16

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		02/16/26 11:42	02/19/26 00:57	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/16/26 11:42	02/19/26 00:57	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/16/26 11:42	02/19/26 00:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/16/26 11:42	02/19/26 00:57	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/16/26 11:42	02/19/26 00:57	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/16/26 11:42	02/19/26 00:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			02/16/26 11:42	02/19/26 00:57	1
1,4-Difluorobenzene (Surr)	82		70 - 130			02/16/26 11:42	02/19/26 00:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/19/26 00:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/18/26 23:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 23:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 23:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 23:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			02/12/26 12:33	02/18/26 23:36	1
o-Terphenyl	102		70 - 130			02/12/26 12:33	02/18/26 23:36	1

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### Client Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 09**

**Lab Sample ID: 890-9497-9**

Date Collected: 02/11/26 12:23  
Date Received: 02/11/26 16:16  
Sample Depth: 0.5'

Matrix: Solid

**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			02/17/26 01:04	1

**Client Sample ID: SS 10**

**Lab Sample ID: 890-9497-10**

Date Collected: 02/11/26 13:56  
Date Received: 02/11/26 16:16  
Sample Depth: 0.5'

Matrix: Solid

**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		02/16/26 11:42	02/19/26 01:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/19/26 01:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/19/26 01:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/16/26 11:42	02/19/26 01:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/19/26 01:18	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/16/26 11:42	02/19/26 01:18	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130			02/16/26 11:42	02/19/26 01:18	1
1,4-Difluorobenzene (Surr)	106		70 - 130			02/16/26 11:42	02/19/26 01:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/19/26 01:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			02/18/26 23:50	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		02/12/26 12:33	02/18/26 23:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		02/12/26 12:33	02/18/26 23:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		02/12/26 12:33	02/18/26 23:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	103		70 - 130			02/12/26 12:33	02/18/26 23:50	1
o-Terphenyl	113		70 - 130			02/12/26 12:33	02/18/26 23:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.5		10.0	mg/Kg			02/17/26 01:11	1

## Surrogate Summary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-68103-A-1-C MS	Matrix Spike	1531 S1+	128
880-68103-A-1-D MSD	Matrix Spike Duplicate	2532 S1+	87
880-68212-A-6-D MS	Matrix Spike	96	101
880-68212-A-6-E MSD	Matrix Spike Duplicate	107	93
880-68243-A-23-D MS	Matrix Spike	102	110
880-68243-A-23-E MSD	Matrix Spike Duplicate	103	113
880-68272-A-11-F MS	Matrix Spike	101	98
880-68272-A-11-G MSD	Matrix Spike Duplicate	106	98
890-9497-1	SS 01	100	83
890-9497-2	SS 02	431 S1+	75
890-9497-3	SS 03	639 S1+	115
890-9497-4	SS 04	622 S1+	74
890-9497-5	SS 05	182 S1+	88
890-9497-6	SS 06	169 S1+	86
890-9497-7	SS 07	168 S1+	91
890-9497-8	SS 08	145 S1+	79
890-9497-9	SS 09	139 S1+	82
890-9497-10	SS 10	166 S1+	106
LCS 880-131923/1-A	Lab Control Sample	138 S1+	83
LCS 880-131936/1-A	Lab Control Sample	106	91
LCS 880-132054/1-A	Lab Control Sample	96	100
LCS 880-132259/1-A	Lab Control Sample	104	115
LCSD 880-131923/2-A	Lab Control Sample Dup	139 S1+	85
LCSD 880-131936/2-A	Lab Control Sample Dup	111	94
LCSD 880-132054/2-A	Lab Control Sample Dup	103	98
LCSD 880-132259/2-A	Lab Control Sample Dup	102	110
MB 880-131923/5-A	Method Blank	144 S1+	82
MB 880-131936/5-A	Method Blank	99	94
MB 880-132054/5-A	Method Blank	98	95
MB 880-132160/8	Method Blank	136 S1+	80
MB 880-132259/5-A	Method Blank	99	112

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-68144-A-2-C MS	Matrix Spike	81	72
880-68144-A-2-D MSD	Matrix Spike Duplicate	79	72
890-9497-1	SS 01	262 S1+	564 S1+
890-9497-2	SS 02	305 S1+	1031 S1+
890-9497-3	SS 03	141 S1+	445 S1+
890-9497-4	SS 04	235 S1+	539 S1+
890-9497-5	SS 05	95	105
890-9497-6	SS 06	96	106

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### Surrogate Summary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**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)
890-9497-7	SS 07	92	99
890-9497-8	SS 08	96	115
890-9497-9	SS 09	95	102
890-9497-10	SS 10	103	113
LCS 880-131621/2-A	Lab Control Sample	118	115
LCSD 880-131621/3-A	Lab Control Sample Dup	119	117
MB 880-131621/1-A	Method Blank	101	109

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-131923/5-A  
Matrix: Solid  
Analysis Batch: 132160

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 131923

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/18/26 22:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/18/26 22:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/18/26 22:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/16/26 11:42	02/18/26 22:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/16/26 11:42	02/18/26 22:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/16/26 11:42	02/18/26 22:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	02/16/26 11:42	02/18/26 22:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130	02/16/26 11:42	02/18/26 22:33	1

Lab Sample ID: LCS 880-131923/1-A  
Matrix: Solid  
Analysis Batch: 132160

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 131923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1059		mg/Kg		106	70 - 130
Toluene	0.100	0.1000		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09608		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1117		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-131923/2-A  
Matrix: Solid  
Analysis Batch: 132160

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 131923

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1084		mg/Kg		108	70 - 130	2	35
Toluene	0.100	0.1020		mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.09542		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2020		mg/Kg		101	70 - 130	0	35
o-Xylene	0.100	0.1113		mg/Kg		111	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-68103-A-1-C MS  
Matrix: Solid  
Analysis Batch: 132160

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 131923

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.163	F1 F2	0.100	0.1910	F1	mg/Kg		28	70 - 130

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

Lab Sample ID: 880-68103-A-1-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132160

Prep Batch: 131923

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	1531	S1+	70 - 130
1,4-Difluorobenzene (Surr)	128		70 - 130

Lab Sample ID: 880-68103-A-1-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132160

Prep Batch: 131923

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.163	F1 F2	0.100	0.3007	F1 F2	mg/Kg		137	70 - 130	45	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	2532	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-131936/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131864

Prep Batch: 131936

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/16/26 12:24	02/16/26 14:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/16/26 12:24	02/16/26 14:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/16/26 12:24	02/16/26 14:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/16/26 12:24	02/16/26 14:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/16/26 12:24	02/16/26 14:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/16/26 12:24	02/16/26 14:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/16/26 12:24	02/16/26 14:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/16/26 12:24	02/16/26 14:46	1

Lab Sample ID: LCS 880-131936/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131864

Prep Batch: 131936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.06998		mg/Kg		70	70 - 130
Toluene	0.100	0.09155		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08829		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1877		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09304		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-131936/2-A  
Matrix: Solid  
Analysis Batch: 131864

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 131936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD
							Limits	RPD	
Benzene	0.100	0.07296		mg/Kg		73	70 - 130	4	35
Toluene	0.100	0.09379		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.09344		mg/Kg		93	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2016		mg/Kg		101	70 - 130	7	35
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130	8	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-68212-A-6-D MS  
Matrix: Solid  
Analysis Batch: 131864

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 131936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00200	U	0.100	0.07928		mg/Kg		79	70 - 130	
Toluene	<0.00200	U	0.100	0.08835		mg/Kg		88	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08084		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1634		mg/Kg		82	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08187		mg/Kg		82	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-68212-A-6-E MSD  
Matrix: Solid  
Analysis Batch: 131864

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 131936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD
									Limits	RPD	
Benzene	<0.00200	U	0.100	0.07043		mg/Kg		70	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.09049		mg/Kg		90	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.08699		mg/Kg		87	70 - 130	7	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1827		mg/Kg		91	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.09103		mg/Kg		91	70 - 130	11	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-132054/5-A  
Matrix: Solid  
Analysis Batch: 132045

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 132054

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		02/17/26 08:35	02/17/26 11:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/17/26 08:35	02/17/26 11:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/17/26 08:35	02/17/26 11:11	1

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

**Lab Sample ID: MB 880-132054/5-A**  
**Matrix: Solid**  
**Analysis Batch: 132045**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 132054**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/17/26 08:35	02/17/26 11:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/17/26 08:35	02/17/26 11:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/17/26 08:35	02/17/26 11:11	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	98		70 - 130	02/17/26 08:35	02/17/26 11:11	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/17/26 08:35	02/17/26 11:11	1

**Lab Sample ID: LCS 880-132054/1-A**  
**Matrix: Solid**  
**Analysis Batch: 132045**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 132054**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.07953		mg/Kg		80	70 - 130
Toluene	0.100	0.07406		mg/Kg		74	70 - 130
Ethylbenzene	0.100	0.08199		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1624		mg/Kg		81	70 - 130
o-Xylene	0.100	0.08207		mg/Kg		82	70 - 130

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

**Lab Sample ID: LCSD 880-132054/2-A**  
**Matrix: Solid**  
**Analysis Batch: 132045**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 132054**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.08215		mg/Kg		82	70 - 130	3	35
Toluene	0.100	0.07905		mg/Kg		79	70 - 130	7	35
Ethylbenzene	0.100	0.08713		mg/Kg		87	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1742		mg/Kg		87	70 - 130	7	35
o-Xylene	0.100	0.08809		mg/Kg		88	70 - 130	7	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

**Lab Sample ID: 880-68272-A-11-F MS**  
**Matrix: Solid**  
**Analysis Batch: 132045**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 132054**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U F1	0.100	0.06789	F1	mg/Kg		68	70 - 130
Toluene	<0.00200	U F1	0.100	0.06411	F1	mg/Kg		64	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07324		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1443		mg/Kg		72	70 - 130
o-Xylene	<0.00200	U	0.100	0.07240		mg/Kg		72	70 - 130

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-68272-A-11-G MSD  
Matrix: Solid  
Analysis Batch: 132045

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 132054

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzene	<0.00200	U F1	0.100	0.07082		mg/Kg		71	70 - 130	4	35
Toluene	<0.00200	U F1	0.100	0.06781	F1	mg/Kg		68	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.07759		mg/Kg		78	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1539		mg/Kg		77	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.07813		mg/Kg		78	70 - 130	8	35

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

Lab Sample ID: MB 880-132160/8  
Matrix: Solid  
Analysis Batch: 132160

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg			02/18/26 11:07	1
Toluene	<0.00200	U	0.00200	mg/Kg			02/18/26 11:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			02/18/26 11:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			02/18/26 11:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			02/18/26 11:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			02/18/26 11:07	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130		02/18/26 11:07	1
1,4-Difluorobenzene (Surr)	80		70 - 130		02/18/26 11:07	1

Lab Sample ID: MB 880-132259/5-A  
Matrix: Solid  
Analysis Batch: 132321

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 132259

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		02/18/26 13:53	02/19/26 10:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/18/26 13:53	02/19/26 10:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/18/26 13:53	02/19/26 10:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/18/26 13:53	02/19/26 10:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/18/26 13:53	02/19/26 10:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/18/26 13:53	02/19/26 10:19	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	99		70 - 130	02/18/26 13:53	02/19/26 10:19	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/18/26 13:53	02/19/26 10:19	1

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

Lab Sample ID: LCS 880-132259/1-A  
Matrix: Solid  
Analysis Batch: 132321

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 132259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	0.100	0.09008		mg/Kg		90	70 - 130	
Toluene	0.100	0.08237		mg/Kg		82	70 - 130	
Ethylbenzene	0.100	0.08687		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1682		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.08317		mg/Kg		83	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-132259/2-A  
Matrix: Solid  
Analysis Batch: 132321

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 132259

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
									RPD	Limit
Benzene	0.100	0.09403		mg/Kg		94	70 - 130	4	35	
Toluene	0.100	0.08698		mg/Kg		87	70 - 130	5	35	
Ethylbenzene	0.100	0.09281		mg/Kg		93	70 - 130	7	35	
m-Xylene & p-Xylene	0.200	0.1785		mg/Kg		89	70 - 130	6	35	
o-Xylene	0.100	0.08598		mg/Kg		86	70 - 130	3	35	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-68243-A-23-D MS  
Matrix: Solid  
Analysis Batch: 132321

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 132259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	<0.00200	U	0.100	0.09306		mg/Kg		93	70 - 130	
Toluene	<0.00200	U	0.100	0.08612		mg/Kg		86	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.09244		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1780		mg/Kg		89	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08615		mg/Kg		86	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-68243-A-23-E MSD  
Matrix: Solid  
Analysis Batch: 132321

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 132259

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	0.08632		mg/Kg		86	70 - 130	8	35	
Toluene	<0.00200	U	0.100	0.07891		mg/Kg		79	70 - 130	9	35	
Ethylbenzene	<0.00200	U	0.100	0.08396		mg/Kg		84	70 - 130	10	35	

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

Lab Sample ID: 880-68243-A-23-E MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132321

Prep Batch: 132259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1617		mg/Kg		81	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.07799		mg/Kg		78	70 - 130	10	35
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	113		70 - 130								

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

Lab Sample ID: MB 880-131621/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132179

Prep Batch: 131621

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		02/12/26 12:33	02/18/26 17:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 17:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/12/26 12:33	02/18/26 17:54	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	101		70 - 130			02/12/26 12:33	02/18/26 17:54	1
o-Terphenyl	109		70 - 130			02/12/26 12:33	02/18/26 17:54	1

Lab Sample ID: LCS 880-131621/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132179

Prep Batch: 131621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	932.1		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	854.6		mg/Kg		85	70 - 130
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
1-Chlorooctane	118		70 - 130				
o-Terphenyl	115		70 - 130				

Lab Sample ID: LCSD 880-131621/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132179

Prep Batch: 131621

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	913.7		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	856.7		mg/Kg		86	70 - 130	0	20

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-131621/3-A  
Matrix: Solid  
Analysis Batch: 132179

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 131621

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-68144-A-2-C MS  
Matrix: Solid  
Analysis Batch: 132179

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 131621

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	809.3		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	616.1	F1	mg/Kg		61	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: 880-68144-A-2-D MSD  
Matrix: Solid  
Analysis Batch: 132179

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 131621

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	793.0		mg/Kg		79	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	614.8	F1	mg/Kg		61	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	72		70 - 130

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

Lab Sample ID: MB 880-131671/1-A  
Matrix: Solid  
Analysis Batch: 131969

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			02/16/26 21:50	1

Lab Sample ID: LCS 880-131671/2-A  
Matrix: Solid  
Analysis Batch: 131969

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.4		mg/Kg		99	90 - 110

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### QC Sample Results

Client: Ensolum  
 Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
 SDG: Lea County NM

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

Lab Sample ID: LCSD 880-131671/3-A  
 Matrix: Solid  
 Analysis Batch: 131969

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.2		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-9497-1 MS  
 Matrix: Solid  
 Analysis Batch: 131969

Client Sample ID: SS 01  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	615	F1	248	825.8	F1	mg/Kg		85	90 - 110

Lab Sample ID: 890-9497-1 MSD  
 Matrix: Solid  
 Analysis Batch: 131969

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	615	F1	248	830.5	F1	mg/Kg		87	90 - 110	1	20

### QC Association Summary

Client: Ensolum  
 Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
 SDG: Lea County NM

#### GC VOA

##### Analysis Batch: 131864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-1	SS 01	Total/NA	Solid	8021B	131936
MB 880-131936/5-A	Method Blank	Total/NA	Solid	8021B	131936
LCS 880-131936/1-A	Lab Control Sample	Total/NA	Solid	8021B	131936
LCSD 880-131936/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131936
880-68212-A-6-D MS	Matrix Spike	Total/NA	Solid	8021B	131936
880-68212-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131936

##### Prep Batch: 131923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-3	SS 03	Total/NA	Solid	5035	
890-9497-5	SS 05	Total/NA	Solid	5035	
890-9497-6	SS 06	Total/NA	Solid	5035	
890-9497-7	SS 07	Total/NA	Solid	5035	
890-9497-8	SS 08	Total/NA	Solid	5035	
890-9497-9	SS 09	Total/NA	Solid	5035	
890-9497-10	SS 10	Total/NA	Solid	5035	
MB 880-131923/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131923/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131923/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68103-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-68103-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

##### Prep Batch: 131936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-1	SS 01	Total/NA	Solid	5035	
MB 880-131936/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131936/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131936/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68212-A-6-D MS	Matrix Spike	Total/NA	Solid	5035	
880-68212-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

##### Analysis Batch: 132045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-2	SS 02	Total/NA	Solid	8021B	132054
890-9497-4	SS 04	Total/NA	Solid	8021B	132054
MB 880-132054/5-A	Method Blank	Total/NA	Solid	8021B	132054
LCS 880-132054/1-A	Lab Control Sample	Total/NA	Solid	8021B	132054
LCSD 880-132054/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132054
880-68272-A-11-F MS	Matrix Spike	Total/NA	Solid	8021B	132054
880-68272-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	132054

##### Prep Batch: 132054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-2	SS 02	Total/NA	Solid	5035	
890-9497-4	SS 04	Total/NA	Solid	5035	
MB 880-132054/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132054/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-132054/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68272-A-11-F MS	Matrix Spike	Total/NA	Solid	5035	
880-68272-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Eurofins Carlsbad

## QC Association Summary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

## GC VOA

## Analysis Batch: 132100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-1	SS 01	Total/NA	Solid	Total BTEX	
890-9497-2	SS 02	Total/NA	Solid	Total BTEX	
890-9497-3	SS 03	Total/NA	Solid	Total BTEX	
890-9497-4	SS 04	Total/NA	Solid	Total BTEX	
890-9497-5	SS 05	Total/NA	Solid	Total BTEX	
890-9497-6	SS 06	Total/NA	Solid	Total BTEX	
890-9497-7	SS 07	Total/NA	Solid	Total BTEX	
890-9497-8	SS 08	Total/NA	Solid	Total BTEX	
890-9497-9	SS 09	Total/NA	Solid	Total BTEX	
890-9497-10	SS 10	Total/NA	Solid	Total BTEX	

## Analysis Batch: 132160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-3	SS 03	Total/NA	Solid	8021B	131923
890-9497-5	SS 05	Total/NA	Solid	8021B	131923
890-9497-6	SS 06	Total/NA	Solid	8021B	131923
890-9497-7	SS 07	Total/NA	Solid	8021B	131923
890-9497-8	SS 08	Total/NA	Solid	8021B	131923
890-9497-9	SS 09	Total/NA	Solid	8021B	131923
890-9497-10	SS 10	Total/NA	Solid	8021B	131923
MB 880-131923/5-A	Method Blank	Total/NA	Solid	8021B	131923
MB 880-132160/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-131923/1-A	Lab Control Sample	Total/NA	Solid	8021B	131923
LCSD 880-131923/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131923
880-68103-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	131923
880-68103-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131923

## Prep Batch: 132259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-2	SS 02	Total/NA	Solid	5035	
890-9497-3	SS 03	Total/NA	Solid	5035	
890-9497-4	SS 04	Total/NA	Solid	5035	
MB 880-132259/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132259/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-132259/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68243-A-23-D MS	Matrix Spike	Total/NA	Solid	5035	
880-68243-A-23-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 132321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-2	SS 02	Total/NA	Solid	8021B	132259
890-9497-3	SS 03	Total/NA	Solid	8021B	132259
890-9497-4	SS 04	Total/NA	Solid	8021B	132259
MB 880-132259/5-A	Method Blank	Total/NA	Solid	8021B	132259
LCS 880-132259/1-A	Lab Control Sample	Total/NA	Solid	8021B	132259
LCSD 880-132259/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132259
880-68243-A-23-D MS	Matrix Spike	Total/NA	Solid	8021B	132259
880-68243-A-23-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	132259

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### QC Association Summary

Client: Ensolum  
 Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
 SDG: Lea County NM

#### GC Semi VOA

##### Prep Batch: 131621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-1	SS 01	Total/NA	Solid	8015NM Prep	
890-9497-2	SS 02	Total/NA	Solid	8015NM Prep	
890-9497-3	SS 03	Total/NA	Solid	8015NM Prep	
890-9497-4	SS 04	Total/NA	Solid	8015NM Prep	
890-9497-5	SS 05	Total/NA	Solid	8015NM Prep	
890-9497-6	SS 06	Total/NA	Solid	8015NM Prep	
890-9497-7	SS 07	Total/NA	Solid	8015NM Prep	
890-9497-8	SS 08	Total/NA	Solid	8015NM Prep	
890-9497-9	SS 09	Total/NA	Solid	8015NM Prep	
890-9497-10	SS 10	Total/NA	Solid	8015NM Prep	
MB 880-131621/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131621/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131621/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68144-A-2-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-68144-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 132179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-1	SS 01	Total/NA	Solid	8015B NM	131621
890-9497-2	SS 02	Total/NA	Solid	8015B NM	131621
890-9497-3	SS 03	Total/NA	Solid	8015B NM	131621
890-9497-4	SS 04	Total/NA	Solid	8015B NM	131621
890-9497-5	SS 05	Total/NA	Solid	8015B NM	131621
890-9497-6	SS 06	Total/NA	Solid	8015B NM	131621
890-9497-7	SS 07	Total/NA	Solid	8015B NM	131621
890-9497-8	SS 08	Total/NA	Solid	8015B NM	131621
890-9497-9	SS 09	Total/NA	Solid	8015B NM	131621
890-9497-10	SS 10	Total/NA	Solid	8015B NM	131621
MB 880-131621/1-A	Method Blank	Total/NA	Solid	8015B NM	131621
LCS 880-131621/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131621
LCSD 880-131621/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131621
880-68144-A-2-C MS	Matrix Spike	Total/NA	Solid	8015B NM	131621
880-68144-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131621

##### Analysis Batch: 132340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-1	SS 01	Total/NA	Solid	8015 NM	
890-9497-2	SS 02	Total/NA	Solid	8015 NM	
890-9497-3	SS 03	Total/NA	Solid	8015 NM	
890-9497-4	SS 04	Total/NA	Solid	8015 NM	
890-9497-5	SS 05	Total/NA	Solid	8015 NM	
890-9497-6	SS 06	Total/NA	Solid	8015 NM	
890-9497-7	SS 07	Total/NA	Solid	8015 NM	
890-9497-8	SS 08	Total/NA	Solid	8015 NM	
890-9497-9	SS 09	Total/NA	Solid	8015 NM	
890-9497-10	SS 10	Total/NA	Solid	8015 NM	

### QC Association Summary

Client: Ensolum  
 Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
 SDG: Lea County NM

#### HPLC/IC

##### Leach Batch: 131671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-1	SS 01	Soluble	Solid	DI Leach	
890-9497-2	SS 02	Soluble	Solid	DI Leach	
890-9497-3	SS 03	Soluble	Solid	DI Leach	
890-9497-4	SS 04	Soluble	Solid	DI Leach	
890-9497-5	SS 05	Soluble	Solid	DI Leach	
890-9497-6	SS 06	Soluble	Solid	DI Leach	
890-9497-7	SS 07	Soluble	Solid	DI Leach	
890-9497-8	SS 08	Soluble	Solid	DI Leach	
890-9497-9	SS 09	Soluble	Solid	DI Leach	
890-9497-10	SS 10	Soluble	Solid	DI Leach	
MB 880-131671/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131671/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131671/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9497-1 MS	SS 01	Soluble	Solid	DI Leach	
890-9497-1 MSD	SS 01	Soluble	Solid	DI Leach	

##### Analysis Batch: 131969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9497-1	SS 01	Soluble	Solid	300.0	131671
890-9497-2	SS 02	Soluble	Solid	300.0	131671
890-9497-3	SS 03	Soluble	Solid	300.0	131671
890-9497-4	SS 04	Soluble	Solid	300.0	131671
890-9497-5	SS 05	Soluble	Solid	300.0	131671
890-9497-6	SS 06	Soluble	Solid	300.0	131671
890-9497-7	SS 07	Soluble	Solid	300.0	131671
890-9497-8	SS 08	Soluble	Solid	300.0	131671
890-9497-9	SS 09	Soluble	Solid	300.0	131671
890-9497-10	SS 10	Soluble	Solid	300.0	131671
MB 880-131671/1-A	Method Blank	Soluble	Solid	300.0	131671
LCS 880-131671/2-A	Lab Control Sample	Soluble	Solid	300.0	131671
LCSD 880-131671/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131671
890-9497-1 MS	SS 01	Soluble	Solid	300.0	131671
890-9497-1 MSD	SS 01	Soluble	Solid	300.0	131671

### Lab Chronicle

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 01**

**Lab Sample ID: 890-9497-1**

Date Collected: 02/11/26 12:27

Matrix: Solid

Date Received: 02/11/26 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131936	02/16/26 12:24	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	131864	02/17/26 00:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/17/26 00:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 21:42	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	132179	02/18/26 21:42	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/16/26 23:44	CS	EET MID

**Client Sample ID: SS 02**

**Lab Sample ID: 890-9497-2**

Date Collected: 02/11/26 12:26

Matrix: Solid

Date Received: 02/11/26 16:16

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	132259	02/18/26 13:53	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	132321	02/19/26 13:59	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	132054	02/17/26 08:35	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	132045	02/17/26 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/19/26 13:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 21:57	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	132179	02/18/26 21:57	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/17/26 00:04	CS	EET MID

**Client Sample ID: SS 03**

**Lab Sample ID: 890-9497-3**

Date Collected: 02/11/26 12:24

Matrix: Solid

Date Received: 02/11/26 16:16

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	132259	02/18/26 13:53	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	132321	02/19/26 17:05	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	131923	02/18/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132160	02/18/26 23:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/19/26 17:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 22:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	132179	02/18/26 22:11	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		5			131969	02/17/26 00:11	CS	EET MID

### Lab Chronicle

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 04**

**Lab Sample ID: 890-9497-4**

Date Collected: 02/11/26 12:29

Matrix: Solid

Date Received: 02/11/26 16:16

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	132259	02/18/26 13:53	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	132321	02/19/26 13:38	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	132054	02/17/26 08:35	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	132045	02/17/26 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/19/26 13:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 22:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	132179	02/18/26 22:26	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/17/26 00:31	CS	EET MID

**Client Sample ID: SS 05**

**Lab Sample ID: 890-9497-5**

Date Collected: 02/11/26 12:14

Matrix: Solid

Date Received: 02/11/26 16:16

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	131923	02/16/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132160	02/18/26 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/18/26 23:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 22:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132179	02/18/26 22:40	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/17/26 00:37	CS	EET MID

**Client Sample ID: SS 06**

**Lab Sample ID: 890-9497-6**

Date Collected: 02/11/26 12:22

Matrix: Solid

Date Received: 02/11/26 16:16

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	131923	02/16/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132160	02/18/26 23:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/18/26 23:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 22:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132179	02/18/26 22:53	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/17/26 00:44	CS	EET MID

### Lab Chronicle

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 07**

**Lab Sample ID: 890-9497-7**

Date Collected: 02/11/26 14:02

Matrix: Solid

Date Received: 02/11/26 16:16

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	131923	02/16/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132160	02/19/26 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/19/26 00:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 23:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132179	02/18/26 23:08	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/17/26 00:51	CS	EET MID

**Client Sample ID: SS 08**

**Lab Sample ID: 890-9497-8**

Date Collected: 02/11/26 12:17

Matrix: Solid

Date Received: 02/11/26 16:16

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	131923	02/16/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132160	02/19/26 00:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/19/26 00:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 23:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132179	02/18/26 23:22	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/17/26 00:57	CS	EET MID

**Client Sample ID: SS 09**

**Lab Sample ID: 890-9497-9**

Date Collected: 02/11/26 12:23

Matrix: Solid

Date Received: 02/11/26 16:16

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	131923	02/16/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132160	02/19/26 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/19/26 00:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			132340	02/18/26 23:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132179	02/18/26 23:36	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/17/26 01:04	CS	EET MID

**Client Sample ID: SS 10**

**Lab Sample ID: 890-9497-10**

Date Collected: 02/11/26 13:56

Matrix: Solid

Date Received: 02/11/26 16:16

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	131923	02/16/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132160	02/19/26 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132100	02/19/26 01:18	SA	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

**Client Sample ID: SS 10**

**Lab Sample ID: 890-9497-10**

Date Collected: 02/11/26 13:56

Matrix: Solid

Date Received: 02/11/26 16:16

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			132340	02/18/26 23:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131621	02/12/26 12:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132179	02/18/26 23:50	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	131671	02/12/26 16:28	SI	EET MID
Soluble	Analysis	300.0		1			131969	02/17/26 01:11	CS	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: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

#### Laboratory: Eurofins Midland

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

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

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

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

- 1
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### Method Summary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

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: WHITE FALCON 16D

Job ID: 890-9497-1  
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9497-1	SS 01	Solid	02/11/26 12:27	02/11/26 16:16	0.5'
890-9497-2	SS 02	Solid	02/11/26 12:26	02/11/26 16:16	0.5'
890-9497-3	SS 03	Solid	02/11/26 12:24	02/11/26 16:16	0.5'
890-9497-4	SS 04	Solid	02/11/26 12:29	02/11/26 16:16	0.5'
890-9497-5	SS 05	Solid	02/11/26 12:14	02/11/26 16:16	0.5'
890-9497-6	SS 06	Solid	02/11/26 12:22	02/11/26 16:16	0.5'
890-9497-7	SS 07	Solid	02/11/26 14:02	02/11/26 16:16	0.5'
890-9497-8	SS 08	Solid	02/11/26 12:17	02/11/26 16:16	0.5'
890-9497-9	SS 09	Solid	02/11/26 12:23	02/11/26 16:16	0.5'
890-9497-10	SS 10	Solid	02/11/26 13:56	02/11/26 16:16	0.5'

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1 of 1

### 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) 885-3443, Lubbock, TX (806) 794-1236  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing  
 Xenco



Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 1

Program:  US/PT  PRP  Brownfields  RRC  Superfund   
 State of Project: \_\_\_\_\_  
 Reporting: Level II  Level III  PST/UST  TRRP  Level IV   
 Deliverables: EDD  ADaPT  Other: \_\_\_\_\_

Project Manager: Katei Jennings  
 Company Name: Ensolurm  
 Address: 3122 National Parks Hwy  
 City, State ZIP: Carlsbad, NM 88220  
 Phone: (505) 683-2503  
 Bill to: (if different) Katei Jennings  
 Company Name: Ensolurm  
 Address: \_\_\_\_\_  
 City, State ZIP: \_\_\_\_\_  
 Email: Kjennings@ensolurm.com

Project Name: White Falcon Vad  
 Project Number: 0322024400  
 Project Location: Lea County, NM  
 Sampler's Name: Sherele Brooks  
 PO #: \_\_\_\_\_

**SAMPLE RECEIPT**  
 Samples Received Intact: Yes  No  Thermometer ID: Traner  
 Cooler Custody Seals: Yes  No  Correction Factor: -0.2  
 Sample Custody Seals: Yes  No  Temperature Reading: 3.6  
 Total Containers: \_\_\_\_\_ Corrected Temperature: 3.4

Turn Around:  Routine  Rush  
 Due Date: \_\_\_\_\_  
 TAT starts the day received by the lab, if received by 4:30pm

Pres. Code: \_\_\_\_\_  
 Wet loc: Yes  No

Parameters: X BTEX 8021  
X TPH 8015  
X Chloride 300

Preservative Codes:  
 NO DI Water: H<sub>2</sub>O  
 Cool MeOH: Me  
 HC HNO<sub>2</sub>: HN  
 H<sub>2</sub>: NaOH: Na  
 HP  
 SO<sub>2</sub>: NABIS  
 SO<sub>3</sub>: NaSO<sub>3</sub>  
 Zn Acetate+NaOH: Zn  
 NaOH+Ascorbic Acid: SASC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
SS01	Soil	7/11/26	12:27	0.5'	G	1	
SS02			12:26				
SS03			12:24				
SS04			12:29				
SS05			12:14				
SS06			12:22				
SS07			14:02				
SS08			12:17				
SS09			12:23				
SS10			13:56				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245 / 17470 / 17471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$95.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

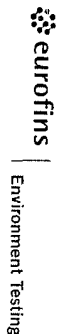
Relinquished by: (Signature) Sherele Brooks Date/Time: 7-11-16 16  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Revised Date: 05/25/2020 Rev. 2020.2

**Eurofins Carlsbad**

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

**Chain of Custody Record**



<b>Client Information (Sub Contract Lab)</b>		Sampler	N/A	Lab Ptn.	Kramer, Jessica	Carrier Tracking No(s):	N/A	COG No:	890-6506 1
Client Contact:		Phone:	N/A	E-Mail:	Jessica.Kramer@et.eurofins.com	State of Origin:	New Mexico	Page:	Page 1 of 2
Shipping/Receiving		Company:	N/A	Accreditations Required (See note):		NELAP - Texas		Job #:	890-9497-1
Eurofins Environment Testing South Cent		Due Date Requested:	2/17/2026	Analysis Requested				Preservation Codes:	
Address:		1211 W Florida Ave.							
City:		Midland							
State Zip:		TX, 79701							
Phone:		432-704-5440(Tel)							
Email:		N/A							
Project Name:		WHITE FALCON 16D							
Site:		SSOW#: N/A							
								Other: N/A	
<b>Sample Identification - Client ID (Lab ID)</b>		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Solid, O=Other, A=Asst)	<input checked="" type="checkbox"/> Field Filtered Sample (Yes or No)		<input checked="" type="checkbox"/> Perform MS/MSD (Yes or No)	
SS 01 (890-9497-1)		2/1/26	12:27	Mountain	Solid	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH		Total Number of containers	
SS 02 (890-9497-2)		2/1/26	12:26	Mountain	Solid	8015MOD_Calc		1	
SS 03 (890-9497-3)		2/1/26	12:24	Mountain	Solid	300_ORGFM_28D/DI_LEACHChloride		1	
SS 04 (890-9497-4)		2/1/26	12:29	Mountain	Solid	8021B/5035FP_Calc(MOD) BTEX		1	
SS 05 (890-9497-5)		2/1/26	12:14	Mountain	Solid	Total_BTEX_GCV		1	
SS 06 (890-9497-6)		2/1/26	12:22	Mountain	Solid			1	
SS 07 (890-9497-7)		2/1/26	14:02	Mountain	Solid			1	
SS 08 (890-9497-8)		2/1/26	12:17	Mountain	Solid			1	
SS 09 (890-9497-9)		2/1/26	12:23	Mountain	Solid			1	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyze &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/testing/mark being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.</p>									
<b>Possible Hazard Identification</b>									
Unconfirmed									
Deliverable Requested I, II, III, IV, Other (specify)									
Primary Deliverable Rank: 2									
Special Instructions/QC Requirements:									
<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months <input type="checkbox"/> Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Empty Kit Relinquished by		Date:	Time		Method of Shipment:				
Relinquished by:		Date/Time:	Date/Time:		Date/Time:				
Relinquished by:		Date/Time:	Date/Time:		Date/Time:				
Relinquished by:		Date/Time:	Date/Time:		Date/Time:				
Custody Seals Intact:		Custody Seal No.		Received by:		Received by:		Received by:	
Δ Yes Δ No									
Cooler Temperature(s) °C and Other Remarks:									

### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9497-1  
SDG Number: Lea County NM

**Login Number: 9497**

**List Number: 1**

**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9497-1

SDG Number: Lea County NM

Login Number: 9497

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 02/12/26 10:39 AM

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kara Naegeli  
Ensolum

601 N. Marienfeld St.  
Suite 400

Midland, Texas 79701

Generated 3/25/2026 11:02:53 AM

## JOB DESCRIPTION

White Falcon 16D  
Lea County NM

## JOB NUMBER

890-9665-1

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  
3/25/2026 11:02:53 AM

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



Client: Ensolum  
Project/Site: White Falcon 16D

Laboratory Job ID: 890-9665-1  
SDG: Lea County NM

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## Definitions/Glossary

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## 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: White Falcon 16D

Job ID: 890-9665-1

**Job ID: 890-9665-1**

**Eurofins Carlsbad**

### Job Narrative 890-9665-1

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

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

### Receipt

The samples were received on 3/17/2026 9:34 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 4.6°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH01 (890-9665-1), PH01 (890-9665-2), PH02 (890-9665-3), PH02 (890-9665-4), PH03 (890-9665-5), PH03 (890-9665-6), PH04 (890-9665-7), PH04 (890-9665-8), PH05 (890-9665-9), PH05 (890-9665-10), PH06 (890-9665-11) and PH06 (890-9665-12).

### 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 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-135191 and analytical batch 880-135624 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8015B NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-135191 and analytical batch 880-135624 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). Since only an acceptable LCS is required per the method, the LCS shows recovery for the batch.

Method 8015B NM: An incorrect volume of spiking solution was inadvertently added to: (CCV 880-135624/33). Percent recoveries are based on the amount spiked.

(CCV 880-135624/33)

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-135624 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-135624/61).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: PH01 (890-9665-1), PH02 (890-9665-4), PH03 (890-9665-5), PH03 (890-9665-6), PH04 (890-9665-7) and PH04 (890-9665-8). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-135191/2-A) and (880-69667-A-181-B). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: PH06 (890-9665-11). Evidence of matrix interferences is not obvious.

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

### HPLC/IC

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

Eurofins Carlsbad

# Case Narrative

Client: Ensolum  
Project: White Falcon 16D

Job ID: 890-9665-1

**Job ID: 890-9665-1 (Continued)**

**Eurofins Carlsbad**

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Eurofins Carlsbad

### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH01**

**Lab Sample ID: 890-9665-1**

Date Collected: 03/16/26 13:43

Matrix: Solid

Date Received: 03/17/26 09:34

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		03/23/26 09:43	03/23/26 11:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/23/26 09:43	03/23/26 11:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:53	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/23/26 09:43	03/23/26 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/23/26 09:43	03/23/26 11:53	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/23/26 09:43	03/23/26 11:53	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			03/23/26 11:53	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			03/24/26 09:24	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	<50.0	U *1	50.0	mg/Kg		03/17/26 17:50	03/24/26 09:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		03/17/26 17:50	03/24/26 09:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/17/26 17:50	03/24/26 09:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	03/17/26 17:50	03/24/26 09:24	1
o-Terphenyl	154	S1+	70 - 130	03/17/26 17:50	03/24/26 09:24	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			03/20/26 23:13	1

**Client Sample ID: PH01**

**Lab Sample ID: 890-9665-2**

Date Collected: 03/16/26 14:01

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 6

**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		03/23/26 09:43	03/23/26 16:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 16:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 16:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/23/26 09:43	03/23/26 16:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 16:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/23/26 09:43	03/23/26 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/23/26 09:43	03/23/26 16:22	1

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### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH01**

**Lab Sample ID: 890-9665-2**

Date Collected: 03/16/26 14:01

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	03/23/26 09:43	03/23/26 16:22	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			03/23/26 16:22	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			03/24/26 09:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		03/17/26 17:50	03/24/26 09:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8	mg/Kg		03/17/26 17:50	03/24/26 09:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/17/26 17:50	03/24/26 09:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/17/26 17:50	03/24/26 09:44	1
o-Terphenyl	106		70 - 130	03/17/26 17:50	03/24/26 09:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		10.1	mg/Kg			03/20/26 18:28	1

**Client Sample ID: PH02**

**Lab Sample ID: 890-9665-3**

Date Collected: 03/16/26 13:23

Matrix: Solid

Date Received: 03/17/26 09:34

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		03/23/26 09:43	03/23/26 16:41	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/23/26 09:43	03/23/26 16:41	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/23/26 09:43	03/23/26 16:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/23/26 09:43	03/23/26 16:41	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/23/26 09:43	03/23/26 16:41	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/23/26 09:43	03/23/26 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/23/26 09:43	03/23/26 16:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/23/26 09:43	03/23/26 16:41	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			03/23/26 16:41	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			03/24/26 10:03	1

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### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH02**

**Lab Sample ID: 890-9665-3**

Date Collected: 03/16/26 13:23

Matrix: Solid

Date Received: 03/17/26 09:34

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	<49.9	U *1	49.9	mg/Kg		03/17/26 17:50	03/24/26 10:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		03/17/26 17:50	03/24/26 10:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/17/26 17:50	03/24/26 10:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			03/17/26 17:50	03/24/26 10:03	1
o-Terphenyl	122		70 - 130			03/17/26 17:50	03/24/26 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/20/26 18:34	1

**Client Sample ID: PH02**

**Lab Sample ID: 890-9665-4**

Date Collected: 03/16/26 13:32

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 6

**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		03/23/26 09:43	03/23/26 17:03	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/23/26 09:43	03/23/26 17:03	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/23/26 09:43	03/23/26 17:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/23/26 09:43	03/23/26 17:03	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/23/26 09:43	03/23/26 17:03	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/23/26 09:43	03/23/26 17:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			03/23/26 09:43	03/23/26 17:03	1
1,4-Difluorobenzene (Surr)	106		70 - 130			03/23/26 09:43	03/23/26 17:03	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			03/23/26 17:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/24/26 10:22	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 *1	49.9	mg/Kg		03/17/26 17:50	03/24/26 10:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		03/17/26 17:50	03/24/26 10:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/17/26 17:50	03/24/26 10:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	52	S1-	70 - 130			03/17/26 17:50	03/24/26 10:22	1
o-Terphenyl	49	S1-	70 - 130			03/17/26 17:50	03/24/26 10:22	1

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### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH02**

**Lab Sample ID: 890-9665-4**

Date Collected: 03/16/26 13:32

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 6

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.7		10.1	mg/Kg			03/20/26 18:53	1

**Client Sample ID: PH03**

**Lab Sample ID: 890-9665-5**

Date Collected: 03/16/26 12:05

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/23/26 09:43	03/23/26 17:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/23/26 09:43	03/23/26 17:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/23/26 09:43	03/23/26 17:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/23/26 09:43	03/23/26 17:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/23/26 09:43	03/23/26 17:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/23/26 09:43	03/23/26 17:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	104		70 - 130			03/23/26 09:43	03/23/26 17:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130			03/23/26 09:43	03/23/26 17:24	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			03/23/26 17:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1480		50.0	mg/Kg			03/24/26 10:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	487	*1	50.0	mg/Kg		03/17/26 17:50	03/24/26 10:41	1
Diesel Range Organics (Over C10-C28)	992	*+ *1	50.0	mg/Kg		03/17/26 17:50	03/24/26 10:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/17/26 17:50	03/24/26 10:41	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	47	S1-	70 - 130			03/17/26 17:50	03/24/26 10:41	1
o-Terphenyl	40	S1-	70 - 130			03/17/26 17:50	03/24/26 10:41	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			03/20/26 18:59	1

### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH03**

**Lab Sample ID: 890-9665-6**

Date Collected: 03/16/26 12:21

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 6

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00262		0.00201	mg/Kg		03/23/26 09:43	03/23/26 18:05	1
Toluene	0.0226		0.00201	mg/Kg		03/23/26 09:43	03/23/26 18:05	1
Ethylbenzene	0.0138		0.00201	mg/Kg		03/23/26 09:43	03/23/26 18:05	1
m-Xylene & p-Xylene	0.0512		0.00402	mg/Kg		03/23/26 09:43	03/23/26 18:05	1
o-Xylene	0.0203		0.00201	mg/Kg		03/23/26 09:43	03/23/26 18:05	1
Xylenes, Total	0.0715		0.00402	mg/Kg		03/23/26 09:43	03/23/26 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/23/26 09:43	03/23/26 18:05	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/23/26 09:43	03/23/26 18:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.111		0.00402	mg/Kg			03/23/26 18:05	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			03/24/26 11:01	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 *1	49.8	mg/Kg		03/17/26 17:50	03/24/26 11:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8	mg/Kg		03/17/26 17:50	03/24/26 11:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/17/26 17:50	03/24/26 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	37	S1-	70 - 130	03/17/26 17:50	03/24/26 11:01	1
o-Terphenyl	29	S1-	70 - 130	03/17/26 17:50	03/24/26 11:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		9.92	mg/Kg			03/20/26 19:06	1

**Client Sample ID: PH04**

**Lab Sample ID: 890-9665-7**

Date Collected: 03/16/26 10:24

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00241		0.00198	mg/Kg		03/23/26 09:43	03/23/26 18:26	1
Toluene	0.0135		0.00198	mg/Kg		03/23/26 09:43	03/23/26 18:26	1
Ethylbenzene	0.00551		0.00198	mg/Kg		03/23/26 09:43	03/23/26 18:26	1
m-Xylene & p-Xylene	0.0163		0.00396	mg/Kg		03/23/26 09:43	03/23/26 18:26	1
o-Xylene	0.0108		0.00198	mg/Kg		03/23/26 09:43	03/23/26 18:26	1
Xylenes, Total	0.0271		0.00396	mg/Kg		03/23/26 09:43	03/23/26 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/23/26 09:43	03/23/26 18:26	1

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### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH04**

**Lab Sample ID: 890-9665-7**

Date Collected: 03/16/26 10:24

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	03/23/26 09:43	03/23/26 18:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0485		0.00396	mg/Kg			03/23/26 18:26	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			03/24/26 11:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		03/17/26 17:50	03/24/26 11:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8	mg/Kg		03/17/26 17:50	03/24/26 11:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/17/26 17:50	03/24/26 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	55	S1-	70 - 130	03/17/26 17:50	03/24/26 11:20	1
o-Terphenyl	47	S1-	70 - 130	03/17/26 17:50	03/24/26 11:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		9.90	mg/Kg			03/20/26 19:12	1

**Client Sample ID: PH04**

**Lab Sample ID: 890-9665-8**

Date Collected: 03/16/26 10:41

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 6

**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		03/23/26 09:43	03/23/26 18:46	1
Toluene	0.00342		0.00200	mg/Kg		03/23/26 09:43	03/23/26 18:46	1
Ethylbenzene	0.00210		0.00200	mg/Kg		03/23/26 09:43	03/23/26 18:46	1
m-Xylene & p-Xylene	0.00652		0.00399	mg/Kg		03/23/26 09:43	03/23/26 18:46	1
o-Xylene	0.00216		0.00200	mg/Kg		03/23/26 09:43	03/23/26 18:46	1
Xylenes, Total	0.00868		0.00399	mg/Kg		03/23/26 09:43	03/23/26 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/23/26 09:43	03/23/26 18:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/23/26 09:43	03/23/26 18:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0142		0.00399	mg/Kg			03/23/26 18:46	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			03/24/26 11:40	1

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### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH04**

**Lab Sample ID: 890-9665-8**

Date Collected: 03/16/26 10:41

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 6

**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 *1	50.1	mg/Kg		03/17/26 17:50	03/24/26 11:40	1
Diesel Range Organics (Over C10-C28)	<50.1	U *+ *1	50.1	mg/Kg		03/17/26 17:50	03/24/26 11:40	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/17/26 17:50	03/24/26 11:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	28	S1-	70 - 130			03/17/26 17:50	03/24/26 11:40	1
o-Terphenyl	17	S1-	70 - 130			03/17/26 17:50	03/24/26 11:40	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			03/20/26 19:18	1

**Client Sample ID: PH05**

**Lab Sample ID: 890-9665-9**

Date Collected: 03/16/26 08:56

Matrix: Solid

Date Received: 03/17/26 09:34

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		03/23/26 09:43	03/23/26 19:07	1
Toluene	0.00459		0.00201	mg/Kg		03/23/26 09:43	03/23/26 19:07	1
Ethylbenzene	0.00244		0.00201	mg/Kg		03/23/26 09:43	03/23/26 19:07	1
m-Xylene & p-Xylene	0.00563		0.00402	mg/Kg		03/23/26 09:43	03/23/26 19:07	1
o-Xylene	0.00204		0.00201	mg/Kg		03/23/26 09:43	03/23/26 19:07	1
Xylenes, Total	0.00767		0.00402	mg/Kg		03/23/26 09:43	03/23/26 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			03/23/26 09:43	03/23/26 19:07	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/23/26 09:43	03/23/26 19:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0147		0.00402	mg/Kg			03/23/26 19:07	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			03/23/26 18:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/18/26 13:45	03/23/26 18:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/18/26 13:45	03/23/26 18:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/26 13:45	03/23/26 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/18/26 13:45	03/23/26 18:16	1
o-Terphenyl	111		70 - 130			03/18/26 13:45	03/23/26 18:16	1

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### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH05**

**Lab Sample ID: 890-9665-9**

Date Collected: 03/16/26 08:56

Matrix: Solid

Date Received: 03/17/26 09:34

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		10.0	mg/Kg			03/20/26 19:25	1

**Client Sample ID: PH06**

**Lab Sample ID: 890-9665-11**

Date Collected: 03/16/26 11:37

Matrix: Solid

Date Received: 03/17/26 09:34

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		03/23/26 09:43	03/23/26 19:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/23/26 09:43	03/23/26 19:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/23/26 09:43	03/23/26 19:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/23/26 09:43	03/23/26 19:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/23/26 09:43	03/23/26 19:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/23/26 09:43	03/23/26 19:48	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	100		70 - 130			03/23/26 09:43	03/23/26 19:48	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/23/26 09:43	03/23/26 19:48	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			03/23/26 19:48	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			03/23/26 19:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/18/26 13:45	03/23/26 19:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/18/26 13:45	03/23/26 19:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/26 13:45	03/23/26 19:16	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	151	S1+	70 - 130			03/18/26 13:45	03/23/26 19:16	1
o-Terphenyl	168	S1+	70 - 130			03/18/26 13:45	03/23/26 19:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/20/26 19:44	1

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## Surrogate Summary

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9665-1	PH01	100	103
890-9665-1 MS	PH01	104	97
890-9665-1 MSD	PH01	99	97
890-9665-2	PH01	101	100
890-9665-3	PH02	97	98
890-9665-4	PH02	102	106
890-9665-5	PH03	104	97
890-9665-6	PH03	103	95
890-9665-7	PH04	105	108
890-9665-8	PH04	98	101
890-9665-9	PH05	101	102
890-9665-11	PH06	100	103
LCS 880-135607/1-A	Lab Control Sample	100	101
LCSD 880-135607/2-A	Lab Control Sample Dup	101	98
MB 880-135607/5-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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-69667-A-181-C MS	Matrix Spike	126	120
880-69667-A-181-D MSD	Matrix Spike Duplicate	102	95
890-9665-1	PH01	146 S1+	154 S1+
890-9665-2	PH01	103	106
890-9665-3	PH02	118	122
890-9665-4	PH02	52 S1-	49 S1-
890-9665-5	PH03	47 S1-	40 S1-
890-9665-6	PH03	37 S1-	29 S1-
890-9665-7	PH04	55 S1-	47 S1-
890-9665-8	PH04	28 S1-	17 S1-
890-9665-9	PH05	101	111
890-9665-9 MS	PH05	122	113
890-9665-9 MSD	PH05	124	116
890-9665-11	PH06	151 S1+	168 S1+
LCS 880-135191/2-A	Lab Control Sample	71	63 S1-
LCS 880-135290/2-A	Lab Control Sample	120	109
LCSD 880-135191/3-A	Lab Control Sample Dup	103	95
LCSD 880-135290/3-A	Lab Control Sample Dup	115	107
MB 880-135191/1-A	Method Blank	93	102
MB 880-135290/1-A	Method Blank	93	102

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

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### QC Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-135607/5-A  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/23/26 09:43	03/23/26 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/23/26 09:43	03/23/26 11:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/23/26 09:43	03/23/26 11:31	1

Lab Sample ID: LCS 880-135607/1-A  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1062		mg/Kg		106	70 - 130
Toluene	0.100	0.09253		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.1951		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09730		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-135607/2-A  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1063		mg/Kg		106	70 - 130	0	35
Toluene	0.100	0.09416		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1991		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.1004		mg/Kg		100	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-9665-1 MS  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: PH01  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09456		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.08586		mg/Kg		86	70 - 130

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### QC Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

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

Lab Sample ID: 890-9665-1 MS  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: PH01  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier					Limits
Ethylbenzene	<0.00200	U	0.100	0.09462		mg/Kg		95	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1816		mg/Kg		91	70 - 130	
o-Xylene	<0.00200	U	0.100	0.09215		mg/Kg		92	70 - 130	
		<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
4-Bromofluorobenzene (Surr)	104		70 - 130							
1,4-Difluorobenzene (Surr)	97		70 - 130							

Lab Sample ID: 890-9665-1 MSD  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: PH01  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.09445		mg/Kg		94	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.08192		mg/Kg		82	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09331		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1755		mg/Kg		88	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09053		mg/Kg		91	70 - 130	2	35
		<b>MSD</b>	<b>MSD</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								

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

Lab Sample ID: MB 880-135191/1-A  
Matrix: Solid  
Analysis Batch: 135624

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 135191

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		03/17/26 17:50	03/24/26 00:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/17/26 17:50	03/24/26 00:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/17/26 17:50	03/24/26 00:33	1
		<b>MB</b>	<b>MB</b>					
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>		
1-Chlorooctane	93		70 - 130	03/17/26 17:50	03/24/26 00:33	1		
o-Terphenyl	102		70 - 130	03/17/26 17:50	03/24/26 00:33	1		

Lab Sample ID: LCS 880-135191/2-A  
Matrix: Solid  
Analysis Batch: 135624

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 135191

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	853.5		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	872.1		mg/Kg		87	70 - 130

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### QC Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

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

**Lab Sample ID: LCS 880-135191/2-A**  
**Matrix: Solid**  
**Analysis Batch: 135624**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 135191**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	71		70 - 130
o-Terphenyl	63	S1-	70 - 130

**Lab Sample ID: LCSD 880-135191/3-A**  
**Matrix: Solid**  
**Analysis Batch: 135624**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 135191**

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1218	*1	mg/Kg		122	70 - 130	35	20	
Diesel Range Organics (Over C10-C28)	1000	1349	*+ *1	mg/Kg		135	70 - 130	43	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	103		70 - 130
o-Terphenyl	95		70 - 130

**Lab Sample ID: 880-69667-A-181-C MS**  
**Matrix: Solid**  
**Analysis Batch: 135624**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 135191**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 *1	997	719.7		mg/Kg		72	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2 * + *1	997	835.0		mg/Kg		82	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	126		70 - 130
o-Terphenyl	120		70 - 130

**Lab Sample ID: 880-69667-A-181-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 135624**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 135191**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 *1	997	598.4	F1	mg/Kg		60	70 - 130	18	20	
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2 * + *1	997	665.3	F1 F2	mg/Kg		65	70 - 130	23	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	95		70 - 130

### QC Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-135290/1-A  
Matrix: Solid  
Analysis Batch: 135673

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 135290

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		03/18/26 13:45	03/23/26 12:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/26 13:45	03/23/26 12:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/26 13:45	03/23/26 12:14	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	93		70 - 130	03/18/26 13:45	03/23/26 12:14	1
o-Terphenyl	102		70 - 130	03/18/26 13:45	03/23/26 12:14	1

Lab Sample ID: LCS 880-135290/2-A  
Matrix: Solid  
Analysis Batch: 135673

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 135290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	120		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-135290/3-A  
Matrix: Solid  
Analysis Batch: 135673

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 135290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	953.7		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	974.7		mg/Kg		97	70 - 130	3	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	115		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-9665-9 MS  
Matrix: Solid  
Analysis Batch: 135673

Client Sample ID: PH05  
Prep Type: Total/NA  
Prep Batch: 135290

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<49.9	U	999	852.9		mg/Kg		83	70 - 130

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### QC Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

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

Lab Sample ID: 890-9665-9 MS  
Matrix: Solid  
Analysis Batch: 135673

Client Sample ID: PH05  
Prep Type: Total/NA  
Prep Batch: 135290

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 890-9665-9 MSD  
Matrix: Solid  
Analysis Batch: 135673

Client Sample ID: PH05  
Prep Type: Total/NA  
Prep Batch: 135290

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	851.5		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	877.7		mg/Kg		86	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	116		70 - 130

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

Lab Sample ID: MB 880-135369/1-A  
Matrix: Solid  
Analysis Batch: 135424

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			03/20/26 20:41	1

Lab Sample ID: LCS 880-135369/2-A  
Matrix: Solid  
Analysis Batch: 135424

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-135369/3-A  
Matrix: Solid  
Analysis Batch: 135424

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	240.0		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-69725-A-5-B MS  
Matrix: Solid  
Analysis Batch: 135424

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	961		252	1215		mg/Kg		101	90 - 110

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### QC Sample Results

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-69725-A-5-C MSD  
Matrix: Solid  
Analysis Batch: 135424

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	961		252	1213		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-135371/1-A  
Matrix: Solid  
Analysis Batch: 135446

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			03/20/26 17:37	1

Lab Sample ID: LCS 880-135371/2-A  
Matrix: Solid  
Analysis Batch: 135446

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.4		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-135371/3-A  
Matrix: Solid  
Analysis Batch: 135446

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	233.6		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 890-9665-9 MS  
Matrix: Solid  
Analysis Batch: 135446

Client Sample ID: PH05  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.7		251	248.8		mg/Kg		94	90 - 110

Lab Sample ID: 890-9665-9 MSD  
Matrix: Solid  
Analysis Batch: 135446

Client Sample ID: PH05  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.7		251	247.8		mg/Kg		94	90 - 110	0	20

## QC Association Summary

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

## GC VOA

## Analysis Batch: 135580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-1	PH01	Total/NA	Solid	8021B	135607
890-9665-2	PH01	Total/NA	Solid	8021B	135607
890-9665-3	PH02	Total/NA	Solid	8021B	135607
890-9665-4	PH02	Total/NA	Solid	8021B	135607
890-9665-5	PH03	Total/NA	Solid	8021B	135607
890-9665-6	PH03	Total/NA	Solid	8021B	135607
890-9665-7	PH04	Total/NA	Solid	8021B	135607
890-9665-8	PH04	Total/NA	Solid	8021B	135607
890-9665-9	PH05	Total/NA	Solid	8021B	135607
890-9665-11	PH06	Total/NA	Solid	8021B	135607
MB 880-135607/5-A	Method Blank	Total/NA	Solid	8021B	135607
LCS 880-135607/1-A	Lab Control Sample	Total/NA	Solid	8021B	135607
LCSD 880-135607/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135607
890-9665-1 MS	PH01	Total/NA	Solid	8021B	135607
890-9665-1 MSD	PH01	Total/NA	Solid	8021B	135607

## Prep Batch: 135607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-1	PH01	Total/NA	Solid	5035	
890-9665-2	PH01	Total/NA	Solid	5035	
890-9665-3	PH02	Total/NA	Solid	5035	
890-9665-4	PH02	Total/NA	Solid	5035	
890-9665-5	PH03	Total/NA	Solid	5035	
890-9665-6	PH03	Total/NA	Solid	5035	
890-9665-7	PH04	Total/NA	Solid	5035	
890-9665-8	PH04	Total/NA	Solid	5035	
890-9665-9	PH05	Total/NA	Solid	5035	
890-9665-11	PH06	Total/NA	Solid	5035	
MB 880-135607/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135607/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135607/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9665-1 MS	PH01	Total/NA	Solid	5035	
890-9665-1 MSD	PH01	Total/NA	Solid	5035	

## Analysis Batch: 135698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-1	PH01	Total/NA	Solid	Total BTEX	
890-9665-2	PH01	Total/NA	Solid	Total BTEX	
890-9665-3	PH02	Total/NA	Solid	Total BTEX	
890-9665-4	PH02	Total/NA	Solid	Total BTEX	
890-9665-5	PH03	Total/NA	Solid	Total BTEX	
890-9665-6	PH03	Total/NA	Solid	Total BTEX	
890-9665-7	PH04	Total/NA	Solid	Total BTEX	
890-9665-8	PH04	Total/NA	Solid	Total BTEX	
890-9665-9	PH05	Total/NA	Solid	Total BTEX	
890-9665-11	PH06	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

## GC Semi VOA

## Prep Batch: 135191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-1	PH01	Total/NA	Solid	8015NM Prep	
890-9665-2	PH01	Total/NA	Solid	8015NM Prep	
890-9665-3	PH02	Total/NA	Solid	8015NM Prep	
890-9665-4	PH02	Total/NA	Solid	8015NM Prep	
890-9665-5	PH03	Total/NA	Solid	8015NM Prep	
890-9665-6	PH03	Total/NA	Solid	8015NM Prep	
890-9665-7	PH04	Total/NA	Solid	8015NM Prep	
890-9665-8	PH04	Total/NA	Solid	8015NM Prep	
MB 880-135191/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135191/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135191/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-69667-A-181-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-69667-A-181-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 135290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-9	PH05	Total/NA	Solid	8015NM Prep	
890-9665-11	PH06	Total/NA	Solid	8015NM Prep	
MB 880-135290/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135290/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135290/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9665-9 MS	PH05	Total/NA	Solid	8015NM Prep	
890-9665-9 MSD	PH05	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 135624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-1	PH01	Total/NA	Solid	8015B NM	135191
890-9665-2	PH01	Total/NA	Solid	8015B NM	135191
890-9665-3	PH02	Total/NA	Solid	8015B NM	135191
890-9665-4	PH02	Total/NA	Solid	8015B NM	135191
890-9665-5	PH03	Total/NA	Solid	8015B NM	135191
890-9665-6	PH03	Total/NA	Solid	8015B NM	135191
890-9665-7	PH04	Total/NA	Solid	8015B NM	135191
890-9665-8	PH04	Total/NA	Solid	8015B NM	135191
MB 880-135191/1-A	Method Blank	Total/NA	Solid	8015B NM	135191
LCS 880-135191/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135191
LCSD 880-135191/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135191
880-69667-A-181-C MS	Matrix Spike	Total/NA	Solid	8015B NM	135191
880-69667-A-181-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	135191

## Analysis Batch: 135673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-9	PH05	Total/NA	Solid	8015B NM	135290
890-9665-11	PH06	Total/NA	Solid	8015B NM	135290
MB 880-135290/1-A	Method Blank	Total/NA	Solid	8015B NM	135290
LCS 880-135290/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135290
LCSD 880-135290/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135290
890-9665-9 MS	PH05	Total/NA	Solid	8015B NM	135290
890-9665-9 MSD	PH05	Total/NA	Solid	8015B NM	135290

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## QC Association Summary

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

## GC Semi VOA

## Analysis Batch: 135801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-1	PH01	Total/NA	Solid	8015 NM	
890-9665-2	PH01	Total/NA	Solid	8015 NM	
890-9665-3	PH02	Total/NA	Solid	8015 NM	
890-9665-4	PH02	Total/NA	Solid	8015 NM	
890-9665-5	PH03	Total/NA	Solid	8015 NM	
890-9665-6	PH03	Total/NA	Solid	8015 NM	
890-9665-7	PH04	Total/NA	Solid	8015 NM	
890-9665-8	PH04	Total/NA	Solid	8015 NM	
890-9665-9	PH05	Total/NA	Solid	8015 NM	
890-9665-11	PH06	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 135369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-1	PH01	Soluble	Solid	DI Leach	
MB 880-135369/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135369/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135369/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-69725-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-69725-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Leach Batch: 135371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-2	PH01	Soluble	Solid	DI Leach	
890-9665-3	PH02	Soluble	Solid	DI Leach	
890-9665-4	PH02	Soluble	Solid	DI Leach	
890-9665-5	PH03	Soluble	Solid	DI Leach	
890-9665-6	PH03	Soluble	Solid	DI Leach	
890-9665-7	PH04	Soluble	Solid	DI Leach	
890-9665-8	PH04	Soluble	Solid	DI Leach	
890-9665-9	PH05	Soluble	Solid	DI Leach	
890-9665-11	PH06	Soluble	Solid	DI Leach	
MB 880-135371/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135371/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135371/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9665-9 MS	PH05	Soluble	Solid	DI Leach	
890-9665-9 MSD	PH05	Soluble	Solid	DI Leach	

## Analysis Batch: 135424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-1	PH01	Soluble	Solid	300.0	135369
MB 880-135369/1-A	Method Blank	Soluble	Solid	300.0	135369
LCS 880-135369/2-A	Lab Control Sample	Soluble	Solid	300.0	135369
LCSD 880-135369/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135369
880-69725-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	135369
880-69725-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	135369

## Analysis Batch: 135446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-2	PH01	Soluble	Solid	300.0	135371

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### QC Association Summary

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

#### HPLC/IC (Continued)

#### Analysis Batch: 135446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9665-3	PH02	Soluble	Solid	300.0	135371
890-9665-4	PH02	Soluble	Solid	300.0	135371
890-9665-5	PH03	Soluble	Solid	300.0	135371
890-9665-6	PH03	Soluble	Solid	300.0	135371
890-9665-7	PH04	Soluble	Solid	300.0	135371
890-9665-8	PH04	Soluble	Solid	300.0	135371
890-9665-9	PH05	Soluble	Solid	300.0	135371
890-9665-11	PH06	Soluble	Solid	300.0	135371
MB 880-135371/1-A	Method Blank	Soluble	Solid	300.0	135371
LCS 880-135371/2-A	Lab Control Sample	Soluble	Solid	300.0	135371
LCSD 880-135371/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135371
890-9665-9 MS	PH05	Soluble	Solid	300.0	135371
890-9665-9 MSD	PH05	Soluble	Solid	300.0	135371

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### Lab Chronicle

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH01**  
Date Collected: 03/16/26 13:43  
Date Received: 03/17/26 09:34

**Lab Sample ID: 890-9665-1**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 11:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 11:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/24/26 09:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135191	03/17/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135624	03/24/26 09:24	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135369	03/19/26 09:51	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135424	03/20/26 23:13	SMC	EET MID

**Client Sample ID: PH01**  
Date Collected: 03/16/26 14:01  
Date Received: 03/17/26 09:34

**Lab Sample ID: 890-9665-2**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 16:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/24/26 09:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135191	03/17/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135624	03/24/26 09:44	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 18:28	SMC	EET MID

**Client Sample ID: PH02**  
Date Collected: 03/16/26 13:23  
Date Received: 03/17/26 09:34

**Lab Sample ID: 890-9665-3**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 16:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/24/26 10:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135191	03/17/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135624	03/24/26 10:03	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 18:34	SMC	EET MID

**Client Sample ID: PH02**  
Date Collected: 03/16/26 13:32  
Date Received: 03/17/26 09:34

**Lab Sample ID: 890-9665-4**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 17:03	SA	EET MID

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### Lab Chronicle

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH02**

**Lab Sample ID: 890-9665-4**

Date Collected: 03/16/26 13:32

Matrix: Solid

Date Received: 03/17/26 09:34

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			135801	03/24/26 10:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135191	03/17/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135624	03/24/26 10:22	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 18:53	SMC	EET MID

**Client Sample ID: PH03**

**Lab Sample ID: 890-9665-5**

Date Collected: 03/16/26 12:05

Matrix: Solid

Date Received: 03/17/26 09:34

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	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 17:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/24/26 10:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135191	03/17/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135624	03/24/26 10:41	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 18:59	SMC	EET MID

**Client Sample ID: PH03**

**Lab Sample ID: 890-9665-6**

Date Collected: 03/16/26 12:21

Matrix: Solid

Date Received: 03/17/26 09:34

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	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 18:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/24/26 11:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135191	03/17/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135624	03/24/26 11:01	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 19:06	SMC	EET MID

**Client Sample ID: PH04**

**Lab Sample ID: 890-9665-7**

Date Collected: 03/16/26 10:24

Matrix: Solid

Date Received: 03/17/26 09:34

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	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 18:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/24/26 11:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135191	03/17/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135624	03/24/26 11:20	SA	EET MID

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### Lab Chronicle

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**Client Sample ID: PH04**  
Date Collected: 03/16/26 10:24  
Date Received: 03/17/26 09:34

**Lab Sample ID: 890-9665-7**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 19:12	SMC	EET MID

**Client Sample ID: PH04**  
Date Collected: 03/16/26 10:41  
Date Received: 03/17/26 09:34

**Lab Sample ID: 890-9665-8**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 18:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/24/26 11:40	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135191	03/17/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135624	03/24/26 11:40	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 19:18	SMC	EET MID

**Client Sample ID: PH05**  
Date Collected: 03/16/26 08:56  
Date Received: 03/17/26 09:34

**Lab Sample ID: 890-9665-9**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 19:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 19:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/23/26 18:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135290	03/18/26 13:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135673	03/23/26 18:16	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 19:25	SMC	EET MID

**Client Sample ID: PH06**  
Date Collected: 03/16/26 11:37  
Date Received: 03/17/26 09:34

**Lab Sample ID: 890-9665-11**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 19:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135698	03/23/26 19:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			135801	03/23/26 19:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135290	03/18/26 13:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135673	03/23/26 19:16	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 19:44	SMC	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Ensolum  
Project/Site: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

**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: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

#### Laboratory: Eurofins Midland

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

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

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

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

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### Method Summary

Client: Ensolum  
 Project/Site: White Falcon 16D

Job ID: 890-9665-1  
 SDG: Lea County NM

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: White Falcon 16D

Job ID: 890-9665-1  
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9665-1	PH01	Solid	03/16/26 13:43	03/17/26 09:34	1
890-9665-2	PH01	Solid	03/16/26 14:01	03/17/26 09:34	6
890-9665-3	PH02	Solid	03/16/26 13:23	03/17/26 09:34	2
890-9665-4	PH02	Solid	03/16/26 13:32	03/17/26 09:34	6
890-9665-5	PH03	Solid	03/16/26 12:05	03/17/26 09:34	1
890-9665-6	PH03	Solid	03/16/26 12:21	03/17/26 09:34	6
890-9665-7	PH04	Solid	03/16/26 10:24	03/17/26 09:34	1
890-9665-8	PH04	Solid	03/16/26 10:41	03/17/26 09:34	6
890-9665-9	PH05	Solid	03/16/26 08:56	03/17/26 09:34	1
890-9665-11	PH06	Solid	03/16/26 11:37	03/17/26 09:34	2

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# Chain of Custody

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

Environment Testing  
 Xenco



2 of 3

Work Order No:

www.xenco.com Page of

**Work Order Comments**

Program:  UST/PST  PRF  Brownfields  RRD  Superfund

State of Project: Reporting: Level II  Level III  PST/UST  TRRF  Level IV

Deliverables: EDD  ADaPT  Other:

Project Manager: Kara Naegele  
 Company Name: ENSOLUM  
 Address: 3122 National Pkwy Hwy  
 City, State ZIP: Carlsbad, NM 88220  
 Phone: 512-709-2473 Email:

Bill to: (if different) ENSOLUM  
 Company Name:  
 Address:  
 City, State ZIP: Knaegle@ensolum.com

Project Name: White Falcon 16D  
 Project Number: 03D2024400  
 Project Location: Lea County, NM  
 Sampler's Name: Sherde Brooks  
 PO #:

**SAMPLE RECEIPT**

Samples Received Intact: Yes No  
 Cooler Custody Seals: Yes No N/A  
 Sample Custody Seals: Yes No N/A  
 Total Containers:

Turn Around:  Routine  Rush  
 Due Date: TAT starts the day received by the lab, if received by 4:30pm  
 Wet Ice: Yes No

Temp Blank: Yes No  
 Thermometer ID:  
 Correction Factor:  
 Temperature Reading:  
 Corrected Temperature:

Parameters: Grab/Comp # of Cont

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
PH06	Soil	3/14/26	11:37	2'	6	1		BTEX 802 BOIS TDF Chloride 4500	None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
PH06	I		11:45	5'	1	1				
<del>NOTE: 802 3/17/26</del>										

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins 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.

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**Eurofins Carlsbad**

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

**Chain of Custody Record**



Environment Testing

**Client Information (Sub Contract Lab)**

Client Contract: N/A	Lab Pkt: Kramer, Jessica
Shipping/Receiving: N/A	Email: Jessica.Kramer@etl.eurofins.com
Company: Eurofins Environment Testing South Cent	Accreditations Required (See note): NELAP - Texas
Address: 1211 W. Florida Ave.	Carrier Tracking Not(s): N/A
City: Midland	State of Origin: New Mexico
State Zip: TX, 79701	Page: Page 1 of 2
Phone: 432-704-5440(Tel)	Job #: 890-9665-1
Email: N/A	Preservation Codes:
Project Name: WHITE Falcon 16D	
Site: N/A	

Date Requested: 3/23/2026	TAT Requested (days): N/A	<b>Analysis Requested</b>
PO #: N/A	Matrix (Metal, Semisolid, Other):	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH
W/O #: N/A	Sample Type (G=Comp, G=Grab, B=Trace, A=Air):	8015MOD_Calc
Project #: 89000102	Preservation Code:	300_ORGFM_28D/DI_LEACHChloride
SSOW#: N/A	Field Filtered Sample (Yes or No):	8021B/5035FP_Calc(MOD) BTEX
	Perform MS/MSD (Yes or No):	Total_BTEX_GCV
		8015MOD_NM/8015NM_S_Prep(MOD) Full TPH (Hold)
		8015MOD_Calc (Hold)
		300_ORGFM_28D/DI_LEACHChloride (Hold)
		8021B/5035FP_Calc(MOD) BTEX (Hold)
		Total_BTEX_GCV (Hold)
		<b>Total Number of containers</b>

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (G=Comp, G=Grab)	Matrix (Metal, Semisolid, Other)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH (Hold)	8015MOD_Calc (Hold)	300_ORGFM_28D/DI_LEACHChloride (Hold)	8021B/5035FP_Calc(MOD) BTEX (Hold)	Total_BTEX_GCV (Hold)	Total Number of containers	Special Instructions/Note:	
PH01 (890-9665-1)	3/16/26	13:43	G	Solid		X	X	X	X	X	X	X							1	
PH01 (890-9665-2)	3/16/26	14:01	G	Solid		X	X	X	X	X	X	X							1	
PH02 (890-9665-3)	3/16/26	13:23	G	Solid		X	X	X	X	X	X	X							1	
PH02 (890-9665-4)	3/16/26	13:32	G	Solid		X	X	X	X	X	X	X							1	
PH03 (890-9665-5)	3/16/26	12:05	G	Solid		X	X	X	X	X	X	X							1	
PH03 (890-9665-6)	3/16/26	12:21	G	Solid		X	X	X	X	X	X	X							1	
PH04 (890-9665-7)	3/16/26	10:24	G	Solid		X	X	X	X	X	X	X							1	
PH04 (890-9665-8)	3/16/26	10:41	G	Solid		X	X	X	X	X	X	X							1	
PH05 (890-9665-9)	3/16/26	08:56	G	Solid		X	X	X	X	X	X	X							1	

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

**Possible Hazard Identification**

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

Special Instructions/QC Requirements: \_\_\_\_\_

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished by: *[Signature]* Date/Time: 3/17/16 3:30 Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_

Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_

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**Eurofins Carlsbad**

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

**Chain of Custody Record**



Environment Testing

<b>Client Information (Sub Contract Lab)</b>	Sampler: N/A
Client Contact: N/A	Lab PM: Kramer, Jessica
Shipping/Receiving: N/A	E-Mail: Jessica.Kramer@et.eurofins.com
Company: Eurofins Environment Testing South Cent	Carrier Tracking No(s): N/A
Address: 1211 W. Florida Ave.	State of Origin: New Mexico
City: Midland	Accreditations Required (See note): NELAP - Texas
State Zip: TX, 79701	
Phone: 432-704-5440(Tel)	
Email: N/A	
Project Name: WHITE Falcon 16D	
Site: N/A	
SSOW#: N/A	

Due Date Requested: 3/23/2026	Analysis Requested
TAT Requested (days): N/A	
Field Filtered Sample (Yes or No)	
Perform MS/MSD (Yes or No)	
8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	
8015MOD_Calc	
300_ORGFM_28D/DI_LEACHChloride	
8021B/5035FP_Calc(MOD) BTEX	
Total_BTEX_GCV	
8015MOD_NM/8015NM_S_Prep(MOD) Full TPH (Hold)	
8015MOD_Calc (Hold)	
300_ORGFM_28D/DI_LEACHChloride (Hold)	
8021B/5035FP_Calc(MOD) BTEX (Hold)	
Total_BTEX_GCV (Hold)	

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (Metallic, Semisolid, Organical, BT=Trace, A=Air)	Preservation Code:	Total Number of containers	Special Instructions/Note:
PH05 (890-9665-10)	3/16/26	09:32	G	Solid		1	
PH06 (890-9665-11)	3/16/26	11:37	G	Solid		1	
PH06 (890-9665-12)	3/16/26	11:45	G	Solid		1	

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

**Possible Hazard Identification**

Unconfirmed

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

Special Instructions/QC Requirements: \_\_\_\_\_

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Empty Kit Relinquished by: _____	Date: _____
Relinquished by: <i>Bauer S</i>	Date/Time: 8/17 1630
Relinquished by: _____	Date/Time: _____
Relinquished by: _____	Date/Time: _____
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.: _____
Cooler Temperature(s) °C and Other Remarks: _____	

### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9665-1  
SDG Number: Lea County NM

**Login Number: 9665**

**List Number: 1**

**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9665-1  
SDG Number: Lea County NM

**Login Number: 9665**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 03/18/26 09:23 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kara Naegeli  
Ensolum

601 N. Marienfeld St.  
Suite 400

Midland, Texas 79701

Generated 3/25/2026 11:02:53 AM

## JOB DESCRIPTION

WHITE FALCON 16D  
03D2024400

## JOB NUMBER

890-9666-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



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

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Client: Ensolum  
Project/Site: WHITE FALCON 16D

Laboratory Job ID: 890-9666-1  
SDG: 03D2024400

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## Definitions/Glossary

Client: Ensolum  
 Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
 SDG: 03D2024400

### 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: WHITE FALCON 16D

Job ID: 890-9666-1

**Job ID: 890-9666-1**

**Eurofins Carlsbad**

## Job Narrative 890-9666-1

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

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

### Receipt

The samples were received on 3/17/2026 12:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH 05 (890-9666-1) and PH 06 (890-9666-2).

### GC VOA

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

### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: PH 06 (890-9666-2). 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: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

**Client Sample ID: PH 05**

**Lab Sample ID: 890-9666-1**

Date Collected: 03/16/26 09:07

Matrix: Solid

Date Received: 03/17/26 12:36

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		03/23/26 09:43	03/23/26 13:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 13:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 13:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/23/26 09:43	03/23/26 13:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 13:36	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/23/26 09:43	03/23/26 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/23/26 09:43	03/23/26 13:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/23/26 09:43	03/23/26 13:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/23/26 13:36	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			03/23/26 19:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/18/26 13:45	03/23/26 19:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/26 13:45	03/23/26 19:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/26 13:45	03/23/26 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	03/18/26 13:45	03/23/26 19:37	1
o-Terphenyl	123		70 - 130	03/18/26 13:45	03/23/26 19:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		10.0	mg/Kg			03/20/26 19:50	1

**Client Sample ID: PH 06**

**Lab Sample ID: 890-9666-2**

Date Collected: 03/16/26 11:40

Matrix: Solid

Date Received: 03/17/26 12:36

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		03/23/26 09:43	03/23/26 13:57	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/23/26 09:43	03/23/26 13:57	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/23/26 09:43	03/23/26 13:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/23/26 09:43	03/23/26 13:57	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/23/26 09:43	03/23/26 13:57	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/23/26 09:43	03/23/26 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/23/26 09:43	03/23/26 13:57	1

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### Client Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

**Client Sample ID: PH 06**

**Lab Sample ID: 890-9666-2**

Date Collected: 03/16/26 11:40

Matrix: Solid

Date Received: 03/17/26 12:36

Sample Depth: 3'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	03/23/26 09:43	03/23/26 13:57	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			03/23/26 13:57	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			03/23/26 19:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/18/26 13:45	03/23/26 19:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/26 13:45	03/23/26 19:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/26 13:45	03/23/26 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	03/18/26 13:45	03/23/26 19:57	1
o-Terphenyl	134	S1+	70 - 130	03/18/26 13:45	03/23/26 19:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90	mg/Kg			03/20/26 20:09	1

## Surrogate Summary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

## 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)
890-9665-A-1-C MS	Matrix Spike	104	97
890-9665-A-1-D MSD	Matrix Spike Duplicate	99	97
890-9666-1	PH 05	105	105
890-9666-2	PH 06	109	105
LCS 880-135607/1-A	Lab Control Sample	100	101
LCSD 880-135607/2-A	Lab Control Sample Dup	101	98
MB 880-135607/5-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)
890-9665-A-9-B MS	Matrix Spike	122	113
890-9665-A-9-C MSD	Matrix Spike Duplicate	124	116
890-9666-1	PH 05	113	123
890-9666-2	PH 06	123	134 S1+
LCS 880-135290/2-A	Lab Control Sample	120	109
LCSD 880-135290/3-A	Lab Control Sample Dup	115	107
MB 880-135290/1-A	Method Blank	93	102

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

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

Lab Sample ID: MB 880-135607/5-A  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/26 09:43	03/23/26 11:31	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/23/26 09:43	03/23/26 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/23/26 09:43	03/23/26 11:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/23/26 09:43	03/23/26 11:31	1

Lab Sample ID: LCS 880-135607/1-A  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1062		mg/Kg		106	70 - 130
Toluene	0.100	0.09253		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.1951		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09730		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-135607/2-A  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1063		mg/Kg		106	70 - 130	0	35
Toluene	0.100	0.09416		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1991		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.1004		mg/Kg		100	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-9665-A-1-C MS  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09456		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.08586		mg/Kg		86	70 - 130

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

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

Lab Sample ID: 890-9665-A-1-C MS  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.09462		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1816		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.100	0.09215		mg/Kg		92	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-9665-A-1-D MSD  
Matrix: Solid  
Analysis Batch: 135580

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 135607

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.09445		mg/Kg		94	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.08192		mg/Kg		82	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09331		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1755		mg/Kg		88	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09053		mg/Kg		91	70 - 130	2	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-135290/1-A  
Matrix: Solid  
Analysis Batch: 135673

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 135290

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		03/18/26 13:45	03/23/26 12:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/26 13:45	03/23/26 12:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/26 13:45	03/23/26 12:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	93		70 - 130	03/18/26 13:45	03/23/26 12:14	1
o-Terphenyl	102		70 - 130	03/18/26 13:45	03/23/26 12:14	1

Lab Sample ID: LCS 880-135290/2-A  
Matrix: Solid  
Analysis Batch: 135673

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 135290

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	986.9		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130

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### QC Sample Results

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

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

**Lab Sample ID: LCS 880-135290/2-A**  
**Matrix: Solid**  
**Analysis Batch: 135673**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 135290**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	120		70 - 130
o-Terphenyl	109		70 - 130

**Lab Sample ID: LCSD 880-135290/3-A**  
**Matrix: Solid**  
**Analysis Batch: 135673**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 135290**

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	953.7		mg/Kg		95	70 - 130	3		20
Diesel Range Organics (Over C10-C28)	1000	974.7		mg/Kg		97	70 - 130	3		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	115		70 - 130
o-Terphenyl	107		70 - 130

**Lab Sample ID: 890-9665-A-9-B MS**  
**Matrix: Solid**  
**Analysis Batch: 135673**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 135290**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	833.4		mg/Kg		83	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	852.9		mg/Kg		83	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	122		70 - 130
o-Terphenyl	113		70 - 130

**Lab Sample ID: 890-9665-A-9-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 135673**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 135290**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	851.5		mg/Kg		85	70 - 130	2
Diesel Range Organics (Over C10-C28)	<49.9	U	999	877.7		mg/Kg		86	70 - 130	3

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	124		70 - 130
o-Terphenyl	116		70 - 130

### QC Sample Results

Client: Ensolum  
 Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
 SDG: 03D2024400

**Method: 300.0 - Anions, Ion Chromatography**

Lab Sample ID: MB 880-135371/1-A  
 Matrix: Solid  
 Analysis Batch: 135446

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			03/20/26 17:37	1

Lab Sample ID: LCS 880-135371/2-A  
 Matrix: Solid  
 Analysis Batch: 135446

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.4		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-135371/3-A  
 Matrix: Solid  
 Analysis Batch: 135446

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	233.6		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 890-9665-A-9-E MS  
 Matrix: Solid  
 Analysis Batch: 135446

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	12.7		251	248.8		mg/Kg		94	90 - 110

Lab Sample ID: 890-9665-A-9-F MSD  
 Matrix: Solid  
 Analysis Batch: 135446

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	12.7		251	247.8		mg/Kg		94	90 - 110	0	20

## QC Association Summary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

## GC VOA

## Analysis Batch: 135580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9666-1	PH 05	Total/NA	Solid	8021B	135607
890-9666-2	PH 06	Total/NA	Solid	8021B	135607
MB 880-135607/5-A	Method Blank	Total/NA	Solid	8021B	135607
LCS 880-135607/1-A	Lab Control Sample	Total/NA	Solid	8021B	135607
LCSD 880-135607/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135607
890-9665-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	135607
890-9665-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	135607

## Prep Batch: 135607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9666-1	PH 05	Total/NA	Solid	5035	
890-9666-2	PH 06	Total/NA	Solid	5035	
MB 880-135607/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135607/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135607/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9665-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9665-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 135699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9666-1	PH 05	Total/NA	Solid	Total BTEX	
890-9666-2	PH 06	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 135290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9666-1	PH 05	Total/NA	Solid	8015NM Prep	
890-9666-2	PH 06	Total/NA	Solid	8015NM Prep	
MB 880-135290/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135290/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135290/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9665-A-9-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9665-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 135673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9666-1	PH 05	Total/NA	Solid	8015B NM	135290
890-9666-2	PH 06	Total/NA	Solid	8015B NM	135290
MB 880-135290/1-A	Method Blank	Total/NA	Solid	8015B NM	135290
LCS 880-135290/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135290
LCSD 880-135290/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135290
890-9665-A-9-B MS	Matrix Spike	Total/NA	Solid	8015B NM	135290
890-9665-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	135290

## Analysis Batch: 135885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9666-1	PH 05	Total/NA	Solid	8015 NM	
890-9666-2	PH 06	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

### QC Association Summary

Client: Ensolum  
 Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
 SDG: 03D2024400

#### HPLC/IC

##### Leach Batch: 135371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9666-1	PH 05	Soluble	Solid	DI Leach	
890-9666-2	PH 06	Soluble	Solid	DI Leach	
MB 880-135371/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135371/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135371/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9665-A-9-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-9665-A-9-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

##### Analysis Batch: 135446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9666-1	PH 05	Soluble	Solid	300.0	135371
890-9666-2	PH 06	Soluble	Solid	300.0	135371
MB 880-135371/1-A	Method Blank	Soluble	Solid	300.0	135371
LCS 880-135371/2-A	Lab Control Sample	Soluble	Solid	300.0	135371
LCSD 880-135371/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135371
890-9665-A-9-E MS	Matrix Spike	Soluble	Solid	300.0	135371
890-9665-A-9-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	135371

### Lab Chronicle

Client: Ensolum  
 Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
 SDG: 03D2024400

**Client Sample ID: PH 05**

**Lab Sample ID: 890-9666-1**

Date Collected: 03/16/26 09:07

Matrix: Solid

Date Received: 03/17/26 12:36

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	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135699	03/23/26 13:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			135885	03/23/26 19:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135290	03/18/26 13:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135673	03/23/26 19:37	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 19:50	SMC	EET MID

**Client Sample ID: PH 06**

**Lab Sample ID: 890-9666-2**

Date Collected: 03/16/26 11:40

Matrix: Solid

Date Received: 03/17/26 12:36

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	135607	03/23/26 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135580	03/23/26 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135699	03/23/26 13:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			135885	03/23/26 19:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135290	03/18/26 13:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135673	03/23/26 19:57	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	135371	03/19/26 09:53	SI	EET MID
Soluble	Analysis	300.0		1			135446	03/20/26 20:09	SMC	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

#### Laboratory: Eurofins Midland

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

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

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

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

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### Method Summary

Client: Ensolum  
Project/Site: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

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: WHITE FALCON 16D

Job ID: 890-9666-1  
SDG: 03D2024400

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9666-1	PH 05	Solid	03/16/26 09:07	03/17/26 12:36	3'
890-9666-2	PH 06	Solid	03/16/26 11:40	03/17/26 12:36	3'

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# Chain of Custody

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

Environment Testing  
 Xenco

Work Order No:

www.xenco.com Page 1 of 1

**Project Manager:** Kara Naegeli  
**Company Name:** Ensolum, LLC  
**Address:** 3122 National Parks Hwy  
 Carlsbad, NM 88220  
**Phone:** 512-709-2473  
**Email:** knaegeli@ensolum.com; kiennings@ensolum.com; aferrelli@ensolum.com; sbrooks@ensolum.com

**Bill to: (if different)**  
**Company Name:**  
**Address:**  
**City, State ZIP:**

**Turn Around**  
 Routine  Rush  
**Due Date:** 5-Day  
 TAT starts the day received by the lab, if received by 4:30pm

**SAMPLE RECEIPT**  
 Temp Blank: Yes  No   
 Samples Received Intact: Yes  No   
 Cooler Custody Seals: Yes  No   
 Sample Custody Seals: Yes  No   
 Total Containers: 5

**Thermometer ID:** T1000  
**Correction Factor:** -0.2  
**Temperature Reading:** 5.2  
**Corrected Temperature:** 5.0

**Preservative Codes**  
 None: NO DI Water: H<sub>2</sub>O  
 Cool: Cool MeOH: Me  
 HCL: HC HNO<sub>3</sub>: HN  
 H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub> NaOH: Na  
 H<sub>3</sub>PO<sub>4</sub>: HP  
 NaHSO<sub>4</sub>: NABIS  
 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NaSO<sub>3</sub>  
 Zn Acetate+NaOH: Zn  
 NaOH+Ascorbic Acid: SAPC

**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:** White Falcon 16D  
**Project Number:** 03D2024400  
**Project Location:** Lea County, NM  
**Sampler's Name:** Sherele Brooks  
**PO #:**

**Matrix**  
 PH05 Soil  
 PH06 Soil

**Time Sampled**  
 907  
 1140

**Depth**  
 3'  
 3'

**Grab/Comp Cont**  
 Grab 1 X  
 Grab 1 X

**Parameters**  
 Chloride 4500 X  
 TPH 8015 X  
 BTEX 8021 X

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp Cont	Parameters	Pres. Code	Preservative Codes	Sample Comments
PH05	Soil	3/16/2026	907	3'	Grab 1 X	Chloride 4500 X		None: NO DI Water: H <sub>2</sub> O	
PH06	Soil	3/16/2026	1140	3'	Grab 1 X	TPH 8015 X BTEX 8021 X		Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	AF

**Total 200.7 / 6010 200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
**Circle Method(s) and Metal(s) to be analyzed** TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins 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)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	3/17 12 30 <sup>2</sup>		
3		4		
5		6		



**Eurofins Carlsbad**

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

**Chain of Custody Record**



Environment Testing

<b>Client Information (Sub Contract Lab)</b>		Sampler:	N/A	Lab P#: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-6667-1
Client Contact:		Phone:	N/A	E-Mail: Jessica.Kramer@eurofins.com	State of Origin: New Mexico	Page: Page 1 of 1
Shipping/Receiving		Company:	N/A	Accreditations Required (See note): NELAP - Texas	Job #: 890-9666-1	Preservation Codes:
Address:		Due Date Requested:	3/23/2026	<b>Analysis Requested</b>		
City:		TAT Requested (days):	N/A			
Midland		State, Zip:	TX, 79701			
Phone:		PO #:	N/A			
432-704-5440(Tel)		W/O #:	N/A			
Email:		Project #:	N/A			
N/A		SSOV#:	89000102			
Project Name:		Site:	N/A			
WHITE FALCON 16D		Matrix (Wet, Solid, Ovensolid, In-Tissue, Ash)				
Sample Identification - Client ID (Lab ID)		Field Filtered Sample (Yes or No)				
		Perform MS/MSD (Yes or No)				
		8015MOD_NM/8015NM_S_Prep(MOD) Full TPH				
		8015MOD_Calc				
		300_ORGFM_28D/DI_LEACHChloride				
		8021B/5035FP_Calc(MOD) BTEX				
		Total_BTEX_GCV				
		Total Number of containers				
		Special Instructions/Note:				
PH 05 (890-9666-1)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code:		
	3/16/26	09:07	G			1
		11:40	G			1
PH 06 (890-9666-2)	3/16/26	Mountain	G	Solid		

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

**Possible Hazard Identification**

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

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

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: 01/17 1630 Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: 3.18.26 800 Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact:  Yes  No Custody Seal No.: \_\_\_\_\_ Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_

### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9666-1

SDG Number: 03D2024400

**Login Number: 9666**

**List Number: 1**

**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9666-1

SDG Number: 03D2024400

**Login Number: 9666**

**List Number: 2**

**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**

**List Creation: 03/18/26 09:23 AM**

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

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

---

April 21, 2026

KALEI JENNINGS

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: WHITE FALCON 16D

Enclosed are the results of analyses for samples received by the laboratory on 04/20/26 16:16.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
 KALEI JENNINGS  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	04/20/2026	Sampling Date:	04/20/2026
Reported:	04/21/2026	Sampling Type:	Soil
Project Name:	WHITE FALCON 16D	Sampling Condition:	Cool & Intact
Project Number:	03D2024400	Sample Received By:	Alyssa Parras
Project Location:	HILCORP-LEA COUNTY, NEW MEXICO		

**Sample ID: FS 01 1' (H262273-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2026	ND	2.02	101	2.00	0.745	
Toluene*	<0.050	0.050	04/21/2026	ND	1.97	98.4	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/21/2026	ND	1.93	96.6	2.00	1.71	
Total Xylenes*	<0.150	0.150	04/21/2026	ND	5.82	97.0	6.00	1.71	
Total BTEX	<0.300	0.300	04/21/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	04/21/2026	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2026	ND	206	103	200	2.06	
<b>DRO &gt;C10-C28*</b>	<b>11.0</b>	10.0	04/21/2026	ND	217	108	200	2.24	
EXT DRO >C28-C36	<10.0	10.0	04/21/2026	ND					

Surrogate: 1-Chlorooctane 84.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.0 % 39.9-141

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
 KALEI JENNINGS  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	04/20/2026	Sampling Date:	04/20/2026
Reported:	04/21/2026	Sampling Type:	Soil
Project Name:	WHITE FALCON 16D	Sampling Condition:	Cool & Intact
Project Number:	03D2024400	Sample Received By:	Alyssa Parras
Project Location:	HILCORP-LEA COUNTY, NEW MEXICO		

**Sample ID: FS 02 1' (H262273-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2026	ND	2.02	101	2.00	0.745		
Toluene*	<0.050	0.050	04/21/2026	ND	1.97	98.4	2.00	1.33		
Ethylbenzene*	<0.050	0.050	04/21/2026	ND	1.93	96.6	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/21/2026	ND	5.82	97.0	6.00	1.71		
Total BTEX	<0.300	0.300	04/21/2026	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/21/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/21/2026	ND	206	103	200	2.06		
DRO >C10-C28*	<10.0	10.0	04/21/2026	ND	217	108	200	2.24		
EXT DRO >C28-C36	<10.0	10.0	04/21/2026	ND						

Surrogate: 1-Chlorooctane 86.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
 KALEI JENNINGS  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	04/20/2026	Sampling Date:	04/20/2026
Reported:	04/21/2026	Sampling Type:	Soil
Project Name:	WHITE FALCON 16D	Sampling Condition:	Cool & Intact
Project Number:	03D2024400	Sample Received By:	Alyssa Parras
Project Location:	HILCORP-LEA COUNTY, NEW MEXICO		

**Sample ID: FS 03 2' (H262273-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2026	ND	2.02	101	2.00	0.745		
Toluene*	<0.050	0.050	04/21/2026	ND	1.97	98.4	2.00	1.33		
Ethylbenzene*	<0.050	0.050	04/21/2026	ND	1.93	96.6	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/21/2026	ND	5.82	97.0	6.00	1.71		
Total BTEX	<0.300	0.300	04/21/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/21/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/21/2026	ND	198	99.0	200	3.82		
DRO >C10-C28*	<10.0	10.0	04/21/2026	ND	206	103	200	2.02		
EXT DRO >C28-C36	<10.0	10.0	04/21/2026	ND						

Surrogate: 1-Chlorooctane 81.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KALEI JENNINGS  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	04/20/2026	Sampling Date:	04/20/2026
Reported:	04/21/2026	Sampling Type:	Soil
Project Name:	WHITE FALCON 16D	Sampling Condition:	Cool & Intact
Project Number:	03D2024400	Sample Received By:	Alyssa Parras
Project Location:	HILCORP-LEA COUNTY, NEW MEXICO		

**Sample ID: FS 04 1' (H262273-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2026	ND	2.02	101	2.00	0.745		
Toluene*	<0.050	0.050	04/21/2026	ND	1.97	98.4	2.00	1.33	GC-NC	
Ethylbenzene*	<0.050	0.050	04/21/2026	ND	1.93	96.6	2.00	1.71	GC-NC	
<b>Total Xylenes*</b>	<b>2.61</b>	0.150	04/21/2026	ND	5.82	97.0	6.00	1.71	GC-NC1	
<b>Total BTEX</b>	<b>2.61</b>	0.300	04/21/2026	ND					GC-NC1	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	04/21/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>11.4</b>	10.0	04/21/2026	ND	198	99.0	200	3.82		
<b>DRO &gt;C10-C28*</b>	<b>149</b>	10.0	04/21/2026	ND	206	103	200	2.02		
<b>EXT DRO &gt;C28-C36</b>	<b>16.8</b>	10.0	04/21/2026	ND						

Surrogate: 1-Chlorooctane 78.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KALEI JENNINGS  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	04/20/2026	Sampling Date:	04/20/2026
Reported:	04/21/2026	Sampling Type:	Soil
Project Name:	WHITE FALCON 16D	Sampling Condition:	Cool & Intact
Project Number:	03D2024400	Sample Received By:	Alyssa Parras
Project Location:	HILCORP-LEA COUNTY, NEW MEXICO		

**Sample ID: FS 05 1' (H262273-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2026	ND	2.02	101	2.00	0.745		
Toluene*	<0.050	0.050	04/21/2026	ND	1.97	98.4	2.00	1.33		
Ethylbenzene*	<0.050	0.050	04/21/2026	ND	1.93	96.6	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/21/2026	ND	5.82	97.0	6.00	1.71		
Total BTEX	<0.300	0.300	04/21/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/21/2026	ND	198	99.0	200	3.82		
<b>DRO &gt;C10-C28*</b>	<b>10.2</b>	10.0	04/21/2026	ND	206	103	200	2.02		
EXT DRO >C28-C36	<10.0	10.0	04/21/2026	ND						

Surrogate: 1-Chlorooctane 78.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 KALEI JENNINGS  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	04/20/2026	Sampling Date:	04/20/2026
Reported:	04/21/2026	Sampling Type:	Soil
Project Name:	WHITE FALCON 16D	Sampling Condition:	Cool & Intact
Project Number:	03D2024400	Sample Received By:	Alyssa Parras
Project Location:	HILCORP-LEA COUNTY, NEW MEXICO		

**Sample ID: FS 06 2' (H262273-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2026	ND	2.02	101	2.00	0.745		
Toluene*	<0.050	0.050	04/21/2026	ND	1.97	98.4	2.00	1.33		
Ethylbenzene*	<0.050	0.050	04/21/2026	ND	1.93	96.6	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/21/2026	ND	5.82	97.0	6.00	1.71		
Total BTEX	<0.300	0.300	04/21/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/21/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/21/2026	ND	198	99.0	200	3.82		
DRO >C10-C28*	<10.0	10.0	04/21/2026	ND	206	103	200	2.02		
EXT DRO >C28-C36	<10.0	10.0	04/21/2026	ND						

Surrogate: 1-Chlorooctane 78.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
- GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Ensolum, LLC. <b>Project Manager:</b> Kalei Jennings <b>Address:</b> 3122 National Parks Hwy <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> 512-709-2473 <b>Fax #:</b> <b>Project #:</b> 03D2024400 <b>Project Owner:</b> Hillcorp <b>Project Name:</b> White Falcon 16D <b>Project Location:</b> Lea County, New Mexico <b>Sampler Name:</b> Alex Ferrell		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.					
<b>Lab I.D.</b> <i>HS100375</i>		<b>Sample I.D.</b> <i>1</i>		<b>Sample Depth</b>	
FS01 FS02 FS03 FS04 FS05 FS06		1' 1' 2' 1' 1' 2'		(G) GRAB OR (C) OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL CIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
				DATE TIME	
				BTEX 8021 TPH 8015 Chloride 4500	
<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> <i>4-20-26</i> <b>Time:</b> <i>10:10</i>		<b>Received By:</b> <i>[Signature]</i> <b>Date:</b> <i>4-20-26</i> <b>Time:</b>		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush 24-hr Bacteria (only) <input type="checkbox"/> Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
<b>Delivered By:</b> (Circle One) UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other <input type="checkbox"/> FORM-006 R 3.6 02/12/25		Observed Temp. °C: <i>88</i> Corrected Temp. °C: <i>34</i>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
Vertical Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		All Results are emailed. Please provide Email address: AFerrell@ensolum.com KJennings@ensolum.com KNaegel@ensolum.com		REMARKS: <i>OS 04/20/26</i>	

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



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

April 30, 2026

KALEI JENNINGS

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: WHITE FALCON 16D

Enclosed are the results of analyses for samples received by the laboratory on 04/23/26 14:00.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS 05 A - 0.5FT	H262340-01	Soil	21-Apr-26 10:15	23-Apr-26 14:00
SS 08 A - 0.5FT	H262340-02	Soil	21-Apr-26 10:25	23-Apr-26 14:00
FS 07 - 2FT	H262340-03	Soil	21-Apr-26 13:00	23-Apr-26 14:00
FS 08 - 2FT	H262340-04	Soil	21-Apr-26 16:45	23-Apr-26 14:00
FS 09 - 2FT	H262340-05	Soil	21-Apr-26 16:50	23-Apr-26 14:00
SW 01 - 0-2FT	H262340-06	Soil	21-Apr-26 12:15	23-Apr-26 14:00
SW 02 - 0-2FT	H262340-07	Soil	21-Apr-26 16:20	23-Apr-26 14:00
SW 03 - 0-2FT	H262340-08	Soil	21-Apr-26 16:55	23-Apr-26 14:00

04/29/26 - Client added depths to all sample IDs (see COC). This is the revised report and will replace the one sent on 04/29/26.

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
--	---	------------------------------

**SS 05 A - 0.5FT  
H262340-01 (Soil)**

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

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	6042401	AC	24-Apr-26	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			90.7 %	70.4-141		6042354	JH	25-Apr-26	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
Surrogate: 1-Chlorooctane			86.8 %	52.4-130		6042410	MS	24-Apr-26	8015B	
Surrogate: 1-Chlorooctadecane			88.4 %	39.9-141		6042410	MS	24-Apr-26	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**SS 08 A - 0.5FT**

**H262340-02 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	6042401	AC	24-Apr-26	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6042354	JH	25-Apr-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			90.5 %		70.4-141	6042354	JH	25-Apr-26	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.4 %		52.4-130	6042410	MS	24-Apr-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.2 %		39.9-141	6042410	MS	24-Apr-26	8015B	
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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**FS 07 - 2FT  
H262340-03 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	6042401	AC	24-Apr-26	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6042354	JH	25-Apr-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			90.5 %		70.4-141	6042354	JH	25-Apr-26	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.2 %		52.4-130	6042410	MS	24-Apr-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.8 %		39.9-141	6042410	MS	24-Apr-26	8015B	
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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**FS 08 - 2FT  
H262340-04 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	6042401	AC	24-Apr-26	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6042354	JH	25-Apr-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			91.1 %		70.4-141	6042354	JH	25-Apr-26	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
<b>DRO &gt;C10-C28*</b>	<b>187</b>		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>13.4</b>		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.2 %		52.4-130	6042410	MS	24-Apr-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.7 %		39.9-141	6042410	MS	24-Apr-26	8015B	
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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**FS 09 - 2FT  
H262340-05 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	6042401	AC	24-Apr-26	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6042354	JH	25-Apr-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			93.1 %		70.4-141	6042354	JH	25-Apr-26	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
<b>DRO &gt;C10-C28*</b>	<b>62.4</b>		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.0 %		52.4-130	6042410	MS	24-Apr-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.5 %		39.9-141	6042410	MS	24-Apr-26	8015B	
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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**SW 01 - 0-2FT  
H262340-06 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	6042401	AC	24-Apr-26	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6042354	JH	25-Apr-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6042354	JH	25-Apr-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			90.8 %		70.4-141	6042354	JH	25-Apr-26	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6042410	MS	24-Apr-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.3 %		52.4-130	6042410	MS	24-Apr-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.3 %		39.9-141	6042410	MS	24-Apr-26	8015B	
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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**SW 02 - 0-2FT  
H262340-07 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	6042401	AC	24-Apr-26	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6042355	JH	25-Apr-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6042355	JH	25-Apr-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6042355	JH	25-Apr-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6042355	JH	25-Apr-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6042355	JH	25-Apr-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.4 %		70.4-141	6042355	JH	25-Apr-26	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	6042411	JF	24-Apr-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6042411	JF	24-Apr-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6042411	JF	24-Apr-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.8 %		52.4-130	6042411	JF	24-Apr-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			71.9 %		39.9-141	6042411	JF	24-Apr-26	8015B	
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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**SW 03 - 0-2FT  
H262340-08 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	6042401	AC	24-Apr-26	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6042355	JH	25-Apr-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6042355	JH	25-Apr-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6042355	JH	25-Apr-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6042355	JH	25-Apr-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6042355	JH	25-Apr-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.3 %		70.4-141	6042355	JH	25-Apr-26	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	6042411	JF	24-Apr-26	8015B	
<b>DRO &gt;C10-C28*</b>	<b>25.7</b>		10.0	mg/kg	1	6042411	JF	24-Apr-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6042411	JF	24-Apr-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.6 %		52.4-130	6042411	JF	24-Apr-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			68.5 %		39.9-141	6042411	JF	24-Apr-26	8015B	
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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 6042401 - 1:4 DI Water</b>										
<b>Blank (6042401-BLK1)</b>										
Prepared & Analyzed: 24-Apr-26										
Chloride	ND	16.0	mg/kg							
<b>LCS (6042401-BS1)</b>										
Prepared & Analyzed: 24-Apr-26										
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (6042401-BSD1)</b>										
Prepared & Analyzed: 24-Apr-26										
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6042354 - Volatiles**

**Blank (6042354-BLK1)**

Prepared: 23-Apr-26 Analyzed: 24-Apr-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		93.0	70.4-141			

**LCS (6042354-BS1)**

Prepared: 23-Apr-26 Analyzed: 24-Apr-26

Benzene	2.02	0.050	mg/kg	2.00		101	71-111			
Toluene	1.98	0.050	mg/kg	2.00		98.8	75-116			
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.5	74.2-119			
m,p-Xylene	4.05	0.100	mg/kg	4.00		101	72.5-123			
o-Xylene	1.93	0.050	mg/kg	2.00		96.3	70.5-124			
Total Xylenes	5.97	0.150	mg/kg	6.00		99.6	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0472		mg/kg	0.0500		94.4	70.4-141			

**LCS Dup (6042354-BSD1)**

Prepared: 23-Apr-26 Analyzed: 24-Apr-26

Benzene	2.06	0.050	mg/kg	2.00		103	71-111	1.90	17.6	
Toluene	1.98	0.050	mg/kg	2.00		99.2	75-116	0.374	14.8	
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	74.2-119	0.630	14.2	
m,p-Xylene	4.00	0.100	mg/kg	4.00		100	72.5-123	1.10	13.6	
o-Xylene	1.89	0.050	mg/kg	2.00		94.5	70.5-124	1.88	13.7	
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	72.2-123	1.35	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0457		mg/kg	0.0500		91.3	70.4-141			

**Batch 6042355 - Volatiles**

**Blank (6042355-BLK1)**

Prepared: 23-Apr-26 Analyzed: 25-Apr-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220

Project: WHITE FALCON 16D  
Project Number: 03D2024400  
Project Manager: KALEI JENNINGS  
Fax To:

Reported:  
30-Apr-26 13:20

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6042355 - Volatiles****Blank (6042355-BLK1)**

Prepared: 23-Apr-26 Analyzed: 25-Apr-26

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		95.5	70.4-141			

**LCS (6042355-BS1)**

Prepared: 23-Apr-26 Analyzed: 25-Apr-26

Benzene	2.14	0.050	mg/kg	2.00		107	71-111			
Toluene	1.99	0.050	mg/kg	2.00		99.7	75-116			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.4	74.2-119			
m,p-Xylene	3.72	0.100	mg/kg	4.00		92.9	72.5-123			
o-Xylene	1.89	0.050	mg/kg	2.00		94.3	70.5-124			
Total Xylenes	5.60	0.150	mg/kg	6.00		93.4	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.6	70.4-141			

**LCS Dup (6042355-BSD1)**

Prepared: 23-Apr-26 Analyzed: 25-Apr-26

Benzene	2.16	0.050	mg/kg	2.00		108	71-111	0.995	17.6	
Toluene	2.04	0.050	mg/kg	2.00		102	75-116	2.03	14.8	
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.4	74.2-119	1.03	14.2	
m,p-Xylene	3.76	0.100	mg/kg	4.00		94.1	72.5-123	1.24	13.6	
o-Xylene	1.90	0.050	mg/kg	2.00		94.9	70.5-124	0.587	13.7	
Total Xylenes	5.66	0.150	mg/kg	6.00		94.4	72.2-123	1.02	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0454		mg/kg	0.0500		90.9	70.4-141			

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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6042410 - General Prep - Organics**

<b>Blank (6042410-BLK1)</b>			Prepared & Analyzed: 24-Apr-26							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.9		mg/kg	50.0		81.8	52.4-130			
Surrogate: 1-Chlorooctadecane	40.4		mg/kg	50.0		80.7	39.9-141			

<b>LCS (6042410-BS1)</b>			Prepared & Analyzed: 24-Apr-26							
GRO C6-C10	187	10.0	mg/kg	200		93.7	78.7-123			
DRO >C10-C28	184	10.0	mg/kg	200		92.0	74.8-123			
Total TPH C6-C28	371	10.0	mg/kg	400		92.8	78.6-121			
Surrogate: 1-Chlorooctane	48.9		mg/kg	50.0		97.8	52.4-130			
Surrogate: 1-Chlorooctadecane	44.3		mg/kg	50.0		88.6	39.9-141			

<b>LCS Dup (6042410-BSD1)</b>			Prepared & Analyzed: 24-Apr-26							
GRO C6-C10	184	10.0	mg/kg	200		92.0	78.7-123	1.83	11.3	
DRO >C10-C28	177	10.0	mg/kg	200		88.5	74.8-123	3.84	10.9	
Total TPH C6-C28	361	10.0	mg/kg	400		90.3	78.6-121	2.82	10.5	
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	52.4-130			
Surrogate: 1-Chlorooctadecane	42.8		mg/kg	50.0		85.6	39.9-141			

**Batch 6042411 - General Prep - Organics**

<b>Blank (6042411-BLK1)</b>			Prepared & Analyzed: 24-Apr-26							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.3		mg/kg	50.0		84.5	52.4-130			
Surrogate: 1-Chlorooctadecane	37.1		mg/kg	50.0		74.2	39.9-141			

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**Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: WHITE FALCON 16D Project Number: 03D2024400 Project Manager: KALEI JENNINGS Fax To:	Reported: 30-Apr-26 13:20
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6042411 - General Prep - Organics**

**LCS (6042411-BS1)**

Prepared & Analyzed: 24-Apr-26

GRO C6-C10	196	10.0	mg/kg	200		97.9	78.7-123			
DRO >C10-C28	185	10.0	mg/kg	200		92.3	74.8-123			
Total TPH C6-C28	380	10.0	mg/kg	400		95.1	78.6-121			
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.2	52.4-130			
Surrogate: 1-Chlorooctadecane	40.5		mg/kg	50.0		80.9	39.9-141			

**LCS Dup (6042411-BSD1)**

Prepared & Analyzed: 24-Apr-26

GRO C6-C10	198	10.0	mg/kg	200		99.0	78.7-123	1.10	11.3	
DRO >C10-C28	186	10.0	mg/kg	200		92.9	74.8-123	0.642	10.9	
Total TPH C6-C28	384	10.0	mg/kg	400		95.9	78.6-121	0.878	10.5	
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		90.9	52.4-130			
Surrogate: 1-Chlorooctadecane	40.1		mg/kg	50.0		80.3	39.9-141			

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC. P.O. #:   
 Project Manager: Kalei Jennings Company: Ensolum  
 Address: 3122 National Parks Hwy Attn:   
 City: Carlsbad State: NM Zip 88220  
 Phone #: 512-709-2473 Fax #:   
 Project #: 03D2024400 Project Owner: ConocoPhillips Address:   
 Project Name: White Falcon 16D City:   
 Project Location: Lea County, New Mexico State:   
 Sampler Name: Alex Ferrell Phone #:   
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	BTEX 8021	TPH 8015	Chloride 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
1	SS05A - 0.5ft	*	G	1										4/21/2026	1015	X	X	X
2	SS08A - 0.5ft		G	1	X									4/21/2026	1025	X	X	X
3	FS07 - 2ft		C	1	X									4/21/2026	1300	X	X	X
4	FS08 - 2ft		C	1	X									4/21/2026	1645	X	X	X
5	FS09 - 2ft		C	1	X									4/21/2026	1650	X	X	X
6	SW01 - 0-2ft		C	1	X									4/21/2026	1215	X	X	X
7	SW02 - 0-2ft		C	1	X									4/21/2026	1620	X	X	X
8	SW03 - 0-2ft		C	1	X									4/21/2026	1655	X	X	X

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Relinquished By: *[Signature]* Date: 4-23-26  
 Received By: *[Signature]* Date: 4-23-26  
 Relinquished By: *[Signature]* Date: 4-23-26  
 Received By: *[Signature]* Date: 4-23-26

Delivered By: (Circle One) Observed Temp. °C 0.1  
 Sampler - UPS - Buss - Other: Corrected Temp. °C 0.2  
 FORM-006 R 3.6 02/12/25

Sample Condition: Cool Intact  Yes  No  
 Checked By: (Initials) *[Signature]*

Turnaround Time: Standard  Rush  Add'l Phone #:   
 Thermometer ID #140 Correction Factor +0.5°C to 1.0°C  
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Observed Temp. °C Corrected Temp. °C

REMARKS: \*Customer requested added depths. 4/29/24



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kalei Jennings  
 Ensolum  
 601 N. Marienfeld St.  
 Suite 400  
 Midland, Texas 79701  
 Generated 5/21/2026 12:58:22 PM

## JOB DESCRIPTION

White Falcon 16 D  
 Lea County NM

## JOB NUMBER

880-72226-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



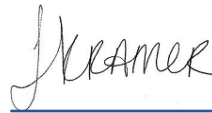
# Eurofins Midland

## Job Notes

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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  
5/21/2026 12:58:22 PM

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

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Client: Ensolum  
Project/Site: White Falcon 16 D

Laboratory Job ID: 880-72226-1  
SDG: Lea County NM

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## Definitions/Glossary

Client: Ensolum  
Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
SDG: Lea County NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: White Falcon 16 D

Job ID: 880-72226-1

**Job ID: 880-72226-1**

**Eurofins Midland**

## Job Narrative 880-72226-1

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

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

### Receipt

The samples were received on 5/12/2026 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C.

### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-140662 and analytical batch 880-140687 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (MB 880-140651/1-A) and (890-9916-A-3-A). Evidence of matrix interferences is not obvious.

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

### HPLC/IC

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

Eurofins Midland



### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
SDG: Lea County NM

**Client Sample ID: FS04A**

**Lab Sample ID: 880-72226-1**

Date Collected: 05/12/26 10:52

Matrix: Solid

Date Received: 05/12/26 15:25

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		05/13/26 08:39	05/13/26 16:53	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/13/26 08:39	05/13/26 16:53	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/13/26 08:39	05/13/26 16:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		05/13/26 08:39	05/13/26 16:53	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/13/26 08:39	05/13/26 16:53	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		05/13/26 08:39	05/13/26 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	05/13/26 08:39	05/13/26 16:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/13/26 08:39	05/13/26 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			05/13/26 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.7	J	49.9	15.1	mg/Kg			05/14/26 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		05/12/26 17:46	05/14/26 16:51	1
Diesel Range Organics (Over C10-C28)	16.7	J	49.9	15.1	mg/Kg		05/12/26 17:46	05/14/26 16:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		05/12/26 17:46	05/14/26 16:51	1
Total TPH	16.7	J	49.9	15.1	mg/Kg		05/12/26 17:46	05/14/26 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	05/12/26 17:46	05/14/26 16:51	1
o-Terphenyl	99		70 - 130	05/12/26 17:46	05/14/26 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.1		10.0	0.397	mg/Kg			05/13/26 15:35	1

**Client Sample ID: FS08A**

**Lab Sample ID: 880-72226-2**

Date Collected: 05/12/26 10:58

Matrix: Solid

Date Received: 05/12/26 15:25

Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		05/13/26 08:39	05/13/26 17:14	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		05/13/26 08:39	05/13/26 17:14	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		05/13/26 08:39	05/13/26 17:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		05/13/26 08:39	05/13/26 17:14	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		05/13/26 08:39	05/13/26 17:14	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		05/13/26 08:39	05/13/26 17:14	1

### Client Sample Results

Client: Ensolum  
Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
SDG: Lea County NM

**Client Sample ID: FS08A**

**Lab Sample ID: 880-72226-2**

Date Collected: 05/12/26 10:58

Matrix: Solid

Date Received: 05/12/26 15:25

Sample Depth: 2.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/13/26 08:39	05/13/26 17:14	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/13/26 08:39	05/13/26 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00230	mg/Kg			05/13/26 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.7	J	49.8	15.1	mg/Kg			05/14/26 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		05/12/26 17:46	05/14/26 17:06	1
Diesel Range Organics (Over C10-C28)	15.7	J	49.8	15.1	mg/Kg		05/12/26 17:46	05/14/26 17:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		05/12/26 17:46	05/14/26 17:06	1
Total TPH	15.7	J	49.8	15.1	mg/Kg		05/12/26 17:46	05/14/26 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	05/12/26 17:46	05/14/26 17:06	1
o-Terphenyl	93		70 - 130	05/12/26 17:46	05/14/26 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		10.1	0.398	mg/Kg			05/13/26 15:40	1

**Client Sample ID: SW01A**

**Lab Sample ID: 880-72226-3**

Date Collected: 05/12/26 11:20

Matrix: Solid

Date Received: 05/12/26 15:25

Sample Depth: 0-2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		05/13/26 08:39	05/13/26 18:48	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		05/13/26 08:39	05/13/26 18:48	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		05/13/26 08:39	05/13/26 18:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		05/13/26 08:39	05/13/26 18:48	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		05/13/26 08:39	05/13/26 18:48	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		05/13/26 08:39	05/13/26 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	05/13/26 08:39	05/13/26 18:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/13/26 08:39	05/13/26 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			05/13/26 18:48	1

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### Client Sample Results

Client: Ensolum  
 Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
 SDG: Lea County NM

**Client Sample ID: SW01A**  
 Date Collected: 05/12/26 11:20  
 Date Received: 05/12/26 15:25  
 Sample Depth: 0-2.5'

**Lab Sample ID: 880-72226-3**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			05/14/26 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		05/12/26 17:46	05/14/26 17:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		05/12/26 17:46	05/14/26 17:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		05/12/26 17:46	05/14/26 17:21	1
Total TPH	<50.0	U	50.0	15.1	mg/Kg		05/12/26 17:46	05/14/26 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	05/12/26 17:46	05/14/26 17:21	1
o-Terphenyl	97		70 - 130	05/12/26 17:46	05/14/26 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.69	J	9.92	0.392	mg/Kg			05/13/26 15:45	1

### Surrogate Summary

Client: Ensolum  
 Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
 SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-72226-1	FS04A	86	93
880-72226-2	FS08A	87	85
880-72226-3	SW01A	92	96
LCS 880-140662/1-A	Lab Control Sample	87	105
LCSD 880-140662/2-A	Lab Control Sample Dup	93	100
MB 880-140662/5-A	Method Blank	100	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-72226-1	FS04A	88	99
880-72226-2	FS08A	85	93
880-72226-3	SW01A	80	97
LCS 880-140651/2-A	Lab Control Sample	112	109
LCSD 880-140651/3-A	Lab Control Sample Dup	110	104
MB 880-140651/1-A	Method Blank	128	136 S1+

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

### QC Sample Results

Client: Ensolum  
Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-140662/5-A  
Matrix: Solid  
Analysis Batch: 140687

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 140662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		05/13/26 08:39	05/13/26 13:30	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/13/26 08:39	05/13/26 13:30	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/13/26 08:39	05/13/26 13:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		05/13/26 08:39	05/13/26 13:30	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/13/26 08:39	05/13/26 13:30	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		05/13/26 08:39	05/13/26 13:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/13/26 08:39	05/13/26 13:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/13/26 08:39	05/13/26 13:30	1

Lab Sample ID: LCS 880-140662/1-A  
Matrix: Solid  
Analysis Batch: 140687

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 140662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09679		mg/Kg		97	70 - 130
Toluene	0.100	0.09027		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09127		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1785		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08756		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-140662/2-A  
Matrix: Solid  
Analysis Batch: 140687

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 140662

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09052		mg/Kg		91	70 - 130	7	35
Toluene	0.100	0.08894		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.09231		mg/Kg		92	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1838		mg/Kg		92	70 - 130	3	35
o-Xylene	0.100	0.09043		mg/Kg		90	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

### QC Sample Results

Client: Ensolum  
Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-140651/1-A  
Matrix: Solid  
Analysis Batch: 140792

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 140651

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		05/12/26 17:46	05/14/26 15:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		05/12/26 17:46	05/14/26 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		05/12/26 17:46	05/14/26 15:18	1
Total TPH	<50.0	U	50.0	15.1	mg/Kg		05/12/26 17:46	05/14/26 15:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	05/12/26 17:46	05/14/26 15:18	1
o-Terphenyl	136	S1+	70 - 130	05/12/26 17:46	05/14/26 15:18	1

Lab Sample ID: LCS 880-140651/2-A  
Matrix: Solid  
Analysis Batch: 140792

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 140651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1053		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1086		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-140651/3-A  
Matrix: Solid  
Analysis Batch: 140792

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 140651

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	981.2		mg/Kg		98	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1043		mg/Kg		104	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	104		70 - 130

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

Lab Sample ID: MB 880-140703/1-A  
Matrix: Solid  
Analysis Batch: 140713

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			05/13/26 14:59	1

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### QC Sample Results

Client: Ensolum  
 Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
 SDG: Lea County NM

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

Lab Sample ID: LCS 880-140703/2-A  
 Matrix: Solid  
 Analysis Batch: 140713

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-140703/3-A  
 Matrix: Solid  
 Analysis Batch: 140713

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	249.5		mg/Kg		100	90 - 110	1	20

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### QC Association Summary

Client: Ensolum  
 Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
 SDG: Lea County NM

#### GC VOA

##### Prep Batch: 140662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72226-1	FS04A	Total/NA	Solid	5035	
880-72226-2	FS08A	Total/NA	Solid	5035	
880-72226-3	SW01A	Total/NA	Solid	5035	
MB 880-140662/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140662/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140662/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

##### Analysis Batch: 140687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72226-1	FS04A	Total/NA	Solid	8021B	140662
880-72226-2	FS08A	Total/NA	Solid	8021B	140662
880-72226-3	SW01A	Total/NA	Solid	8021B	140662
MB 880-140662/5-A	Method Blank	Total/NA	Solid	8021B	140662
LCS 880-140662/1-A	Lab Control Sample	Total/NA	Solid	8021B	140662
LCSD 880-140662/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140662

##### Analysis Batch: 140855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72226-1	FS04A	Total/NA	Solid	Total BTEX	
880-72226-2	FS08A	Total/NA	Solid	Total BTEX	
880-72226-3	SW01A	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 140651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72226-1	FS04A	Total/NA	Solid	8015NM Prep	
880-72226-2	FS08A	Total/NA	Solid	8015NM Prep	
880-72226-3	SW01A	Total/NA	Solid	8015NM Prep	
MB 880-140651/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140651/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 140792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72226-1	FS04A	Total/NA	Solid	8015B NM	140651
880-72226-2	FS08A	Total/NA	Solid	8015B NM	140651
880-72226-3	SW01A	Total/NA	Solid	8015B NM	140651
MB 880-140651/1-A	Method Blank	Total/NA	Solid	8015B NM	140651
LCS 880-140651/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140651
LCSD 880-140651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140651

##### Analysis Batch: 141466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72226-1	FS04A	Total/NA	Solid	8015 NM	
880-72226-2	FS08A	Total/NA	Solid	8015 NM	
880-72226-3	SW01A	Total/NA	Solid	8015 NM	

### QC Association Summary

Client: Ensolum  
 Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
 SDG: Lea County NM

#### HPLC/IC

##### Leach Batch: 140703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72226-1	FS04A	Soluble	Solid	DI Leach	
880-72226-2	FS08A	Soluble	Solid	DI Leach	
880-72226-3	SW01A	Soluble	Solid	DI Leach	
MB 880-140703/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140703/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140703/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

##### Analysis Batch: 140713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72226-1	FS04A	Soluble	Solid	300.0	140703
880-72226-2	FS08A	Soluble	Solid	300.0	140703
880-72226-3	SW01A	Soluble	Solid	300.0	140703
MB 880-140703/1-A	Method Blank	Soluble	Solid	300.0	140703
LCS 880-140703/2-A	Lab Control Sample	Soluble	Solid	300.0	140703
LCSD 880-140703/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140703

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### Lab Chronicle

Client: Ensolum  
 Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
 SDG: Lea County NM

**Client Sample ID: FS04A**

**Lab Sample ID: 880-72226-1**

Date Collected: 05/12/26 10:52

Matrix: Solid

Date Received: 05/12/26 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			140662	MNR	EET MID	05/13/26 08:39
Total/NA	Analysis	8021B		1	140687	MNR	EET MID	05/13/26 16:53
Total/NA	Analysis	Total BTEX		1	140855	SA	EET MID	05/13/26 16:53
Total/NA	Analysis	8015 NM		1	141466	AJ	EET MID	05/14/26 16:51
Total/NA	Prep	8015NM Prep			140651	EL	EET MID	05/12/26 17:46
Total/NA	Analysis	8015B NM		1	140792	FC	EET MID	05/14/26 16:51
Soluble	Leach	DI Leach			140703	SA	EET MID	05/13/26 13:15
Soluble	Analysis	300.0		1	140713	CS	EET MID	05/13/26 15:35

**Client Sample ID: FS08A**

**Lab Sample ID: 880-72226-2**

Date Collected: 05/12/26 10:58

Matrix: Solid

Date Received: 05/12/26 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			140662	MNR	EET MID	05/13/26 08:39
Total/NA	Analysis	8021B		1	140687	MNR	EET MID	05/13/26 17:14
Total/NA	Analysis	Total BTEX		1	140855	SA	EET MID	05/13/26 17:14
Total/NA	Analysis	8015 NM		1	141466	AJ	EET MID	05/14/26 17:06
Total/NA	Prep	8015NM Prep			140651	EL	EET MID	05/12/26 17:46
Total/NA	Analysis	8015B NM		1	140792	FC	EET MID	05/14/26 17:06
Soluble	Leach	DI Leach			140703	SA	EET MID	05/13/26 13:15
Soluble	Analysis	300.0		1	140713	CS	EET MID	05/13/26 15:40

**Client Sample ID: SW01A**

**Lab Sample ID: 880-72226-3**

Date Collected: 05/12/26 11:20

Matrix: Solid

Date Received: 05/12/26 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			140662	MNR	EET MID	05/13/26 08:39
Total/NA	Analysis	8021B		1	140687	MNR	EET MID	05/13/26 18:48
Total/NA	Analysis	Total BTEX		1	140855	SA	EET MID	05/13/26 18:48
Total/NA	Analysis	8015 NM		1	141466	AJ	EET MID	05/14/26 17:21
Total/NA	Prep	8015NM Prep			140651	EL	EET MID	05/12/26 17:46
Total/NA	Analysis	8015B NM		1	140792	FC	EET MID	05/14/26 17:21
Soluble	Leach	DI Leach			140703	SA	EET MID	05/13/26 13:15
Soluble	Analysis	300.0		1	140713	CS	EET MID	05/13/26 15:45

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Ensolum  
Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
SDG: Lea County NM

#### Laboratory: Eurofins Midland

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

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

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. This list may include analytes for which the agency does not offer certification :

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

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### Method Summary

Client: Ensolum  
Project/Site: White Falcon 16 D

Job ID: 880-72226-1  
SDG: Lea County NM

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: White Falcon 16 D

Job ID: 880-72226-1  
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-72226-1	FS04A	Solid	05/12/26 10:52	05/12/26 15:25	2'
880-72226-2	FS08A	Solid	05/12/26 10:58	05/12/26 15:25	2.5'
880-72226-3	SW01A	Solid	05/12/26 11:20	05/12/26 15:25	0-2.5'

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# Chain of Custody

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

Environment Testing  
 Midland



880-72226 Chain of Custody

Project Manager: **KALEL JENNINGS**  
 Company Name: **Ensoform, LLC**  
 Address: **601 N MARIENFELD SPR**  
 City, State ZIP: **MIDLAND, TX, 79701**  
 Phone: **817 683 2505**  
 Email: **Kjennings@ensoform.com**

Bill to: (if different) **Ensoform, LLC**  
 Company Name:  
 Address:  
 City, State ZIP:

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

Project Name: **WHITE FALCON 160**  
 Project Number: **0302024400**  
 Project Location: **FA COUNTY, NM**  
 Sampler's Name: **Zyuka**

**SAMPLE RECEIPT**  
 Temp Blank: Yes  No   
 Samples Received Intact: Yes  No   
 Cooler Custody Seals: Yes  No   
 Sample Custody Seals: Yes  No   
 Total Containers: **5**

Turn Around  
 Routine  Rush  
 Due Date:  
 TAT starts the day received by the lab, if received by 4:30pm

Wet Ice: Yes  No   
 Thermometer ID: **188**  
 Correction Factor: **-0.2**  
 Temperature Reading: **5.4**  
 Corrected Temperature: **5.2**

**ANALYSIS REQUEST**

Pres. Code	Parameters	# of Cont	Grab/Comp	Depth	Time Sampled	Date Sampled	Matrix
	BTEX 8021	1	C	2'	5/12/26 1052	5/12/26	S
	TPH 8015	1	C	2.5'	5/12/26 1058	5/12/26	S
	CHLORIDE 300	1	C	6-2.5'	5/12/26 1120	5/12/26	S

**Preservative Codes**  
 None: NO  
 DI Water: H<sub>2</sub>O  
 Cool: Cool  
 MeOH: Me  
 HCL: HC  
 HNO<sub>3</sub>: HN  
 H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub>  
 NaOH: Na  
 H<sub>3</sub>PO<sub>4</sub>: HP  
 NaHSO<sub>4</sub>: NABIS  
 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NaSO<sub>3</sub>  
 Zn Acetate+NaOH: Zn  
 NaOH+Ascorbic Acid: SACP

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
F504A	S	5/12/26	1052	2'	C	1	X
F508A	S	5/12/26	1058	2.5'	C	1	X
SW01A	S	5/12/26	1120	6-2.5'	C	1	X

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245: 17470 / 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>	5/12/26	<i>[Signature]</i>	<i>[Signature]</i>	5/12/26 1528
					4
					6

Revised Date: 09/25/2020 Rev. 2020.2



### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-72226-1  
SDG Number: Lea County NM

**Login Number: 72226**

**List Number: 1**

**Creator: Dyal, Erica**

**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.	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	

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## APPENDIX E

### Agency Correspondence

---

**Michael Wicker**

---

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Sent:** Wednesday, April 15, 2026 10:04 AM  
**To:** Kalei Jennings  
**Cc:** jacob.laird@conocophillips.com; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD  
**Subject:** (Extension Approval) - COG OPERATING, LLC- Extension Request- White Falcon 16D (Incident Number nAPP2602459882)

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

[ **\*\*EXTERNAL EMAIL\*\*** ]

**RE: Incident #nAPP2602459882 White Falcon 16D**

Kalei,

A 90-day extension is approved. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **July 14th, 2026**. Include this e-mail correspondence in the report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@emnrd.nm.gov](mailto:robert.hamlet@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Wednesday, April 15, 2026 8:34 AM  
**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] COG OPERATING, LLC- Extension Request- White Falcon 16D (Incident Number nAPP2602459882)

---

**From:** Kalei Jennings <[kjennings@ensolum.com](mailto:kjennings@ensolum.com)>  
**Sent:** Wednesday, April 15, 2026 7:16 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Laird, Jacob <[jacob.laird@conocophillips.com](mailto:jacob.laird@conocophillips.com)>  
**Subject:** [EXTERNAL] COG OPERATING, LLC- Extension Request- White Falcon 16D (Incident Number nAPP2602459882)

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

Good morning,

COG Operating, LLC (COG,) is providing a remediation status update for a crude oil and produced water release and to formally request a 90-day extension for the White Falcon 16D (Incident Number nAPP2602459882). The release occurred on January 24, 2026, and initial site assessment and delineation activities have been completed. Excavation activities are scheduled to commence next week. In order to complete excavation of impacted soil, conduct final confirmation soil sampling, and draft a closure or remediation work plan, COG respectfully requests a 90-day extension until July 23, 2026.

Thank you,



**Kalei Jennings**

Senior Managing Scientist

817-683-2503

[Ensolum, LLC](#)

in f X

**Michael Wicker**

**From:** David, Deon W. <ddavid@nmslo.gov>  
**Sent:** Monday, May 4, 2026 5:57 PM  
**To:** Kalei Jennings  
**Cc:** Laird, Jacob; Bisbey-Kuehn, Elizabeth A.; Knight, Tami C.; Honea, Tammy; Whitman, Connor J.  
**Subject:** COG OPERATING LLC - WHITE FALCON 16D. Remediation Workplan - Approved.

[ \*\*EXTERNAL EMAIL\*\* ]

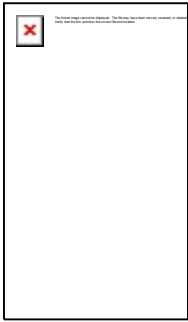
**RE:** fAPP2200354912 (Active) / COG OPERATING LLC; WHITE FALCON 16D; VB19720001/ EOG RESOURCES INC  
**Incident #:** NAPP2602459882  
**ROE #:** N/A  
**Remediation Workplan Received:** April 22, 2026  
**Workplan Status:** **Approved.**

Details regarding the workplan review are provided in the table below. The lessee and/or their contractor are responsible for ensuring that the project manager and field personnel performing the work follow the approved work plan. Please respond to this email that you understand and agree to the conditions of approval.

General Scope of Work Topics Addressed in Remediation Workplan In Detail	Included/Approved	Not Included/Not Approved	Not Required
NMOCD Record Review	Included		
Historical Aerial Review with Areas of Concern Identified	Included		
CPP/Bio Statements	Included		
Site Characterization/Closure Criteria	Included		
Site assessment/delineation plans or results	Included		
Remediation Method Detailed	Included		
Confirmation Sampling Protocol	Included		
Reclamation Workplan/Discussion	Included.		
Schedule of Implementation		Not Included; submit remediation closure and reclamation activity report to <a href="mailto:eco@nmslo.gov">eco@nmslo.gov</a> by August 04, 2026.	

*\*The conclusions of this workplan review are based on the documentation provided by the submitter. ECO may conduct a field verification of the information provided, though it is not obligated to do so. In the event that field conditions or subsequent information reveal discrepancies, ECO may require additional corrective work.*

We appreciate the efforts being taken to remediate and reclaim State Trust Land.

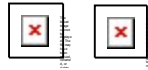


**Environmental Compliance Office**

New Mexico State Land Office

[eco@nmslo.gov](mailto:eco@nmslo.gov)

[nmstatelands.org](http://nmstatelands.org)



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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 599978

**QUESTIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 599978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2602459882
Incident Name	NAPP2602459882 WHITE FALCON 16D @ FAPP2200354912
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2200354912] White Falcon 16D SC CTB - RT BTTY

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	White Falcon 16D
Date Release Discovered	01/24/2026
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<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	Cause: Freeze   Separator   Crude Oil   Released: 8 BBL   Recovered: 5 BBL   Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Freeze   Separator   Produced Water   Released: 23 BBL   Recovered: 20 BBL   Lost: 3 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

General Information  
Phone: (505) 629-6116

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<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 599978

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 599978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>

*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: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 06/29/2026
--	---

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 599978

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 599978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (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	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	282
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	62.4
GRO+DRO (EPA SW-846 Method 8015M)	62.4
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	02/11/2026
On what date will (or did) the final sampling or liner inspection occur	05/12/2026
On what date will (or was) the remediation complete(d)	05/12/2026
What is the estimated surface area (in square feet) that will be reclaimed	1720
What is the estimated volume (in cubic yards) that will be reclaimed	120
What is the estimated surface area (in square feet) that will be remediated	1720
What is the estimated volume (in cubic yards) that will be remediated	120

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 599978

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 599978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	FEEM0112342028 LEA LAND LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 06/29/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 599978

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 599978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 599978

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 599978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>583007</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>05/12/2026</b>
What was the (estimated) number of samples that were to be gathered	<b>5</b>
What was the sampling surface area in square feet	<b>1800</b>

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1720
What was the total volume (cubic yards) remediated	120
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	1720
What was the total volume (in cubic yards) reclaimed	120
Summarize any additional remediation activities not included by answers (above)	Site assessment, delineation, and excavation activities were completed at the Site to address the January 2026 release of crude oil and produced water. Laboratory analytical results for confirmation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with Site Closure Criteria. Based on laboratory analytical results, no further remediation was required. COG will backfill the excavation with material sourced locally and recontour the active oil and gas production facility pad surface to match pre-existing site conditions. Backfill material was submitted for laboratory testing at Cardinal Laboratories on November 13, 2025, and indicated that all COC concentrations were in compliance with strictest Table I Closure Criteria and reclamation requirement. Excavation of impacted soil has mitigated impacts at this Site, and these remedial actions have been protective of human health, the environment, and groundwater. As such, COG respectfully requests closure Incident Number nAPP2602459882.

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 06/29/2026
--	---

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Action 599978

**QUESTIONS (continued)**

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	Action Number: 599978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 599978

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 599978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2602459882 White Falcon 16D, thank you. This Remediation Closure Report is approved.	6/29/2026